NWSTC

Graphics Generator Job Sheets

A Supplemental Resource for the Graphics Generator Template/Product Configuration Training

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Building and Editing Reference Templates

Objective: Build or edit a reference template using Graphics Generator.

Notes: Graphics Generator **must** be configured on the CHPS Stand Alone instance. Build the template in the order used in this job sheet.

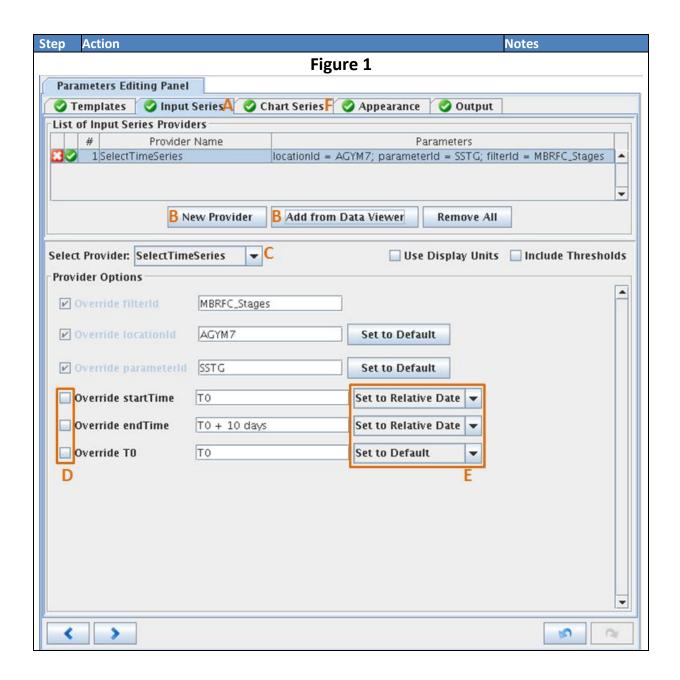
STEP 1 Locate or Create a Reference Template

Step	Action		Notes	
1	Open the Stand Alone instance of CHPS.			
2	Click the GraphGen Editor icon or from the IFD Tools menu, select GraphGen Editor .		menu, select	
	Build Edit		Edit	
1	Click the Data Viewer panel.	1	Click the Load Product or Template icon.	
2	Click the forecast group folder to expand.	2	Select a product from the list on the Template and Product Manager window.	
3	Select a segment from the panel.	3	Click Open .	
4	Click the New button in the Editor Tool Bar .			

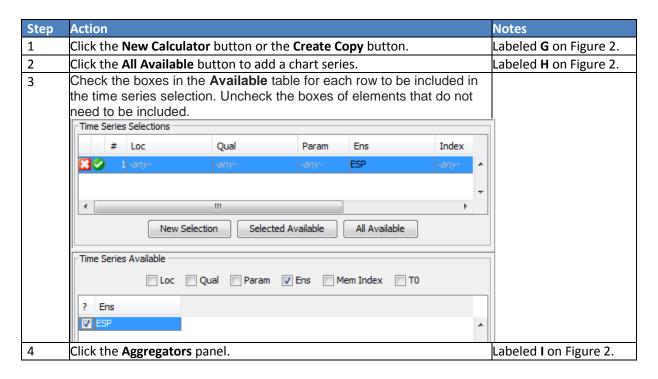
STEP 2 Specify Input Time Series

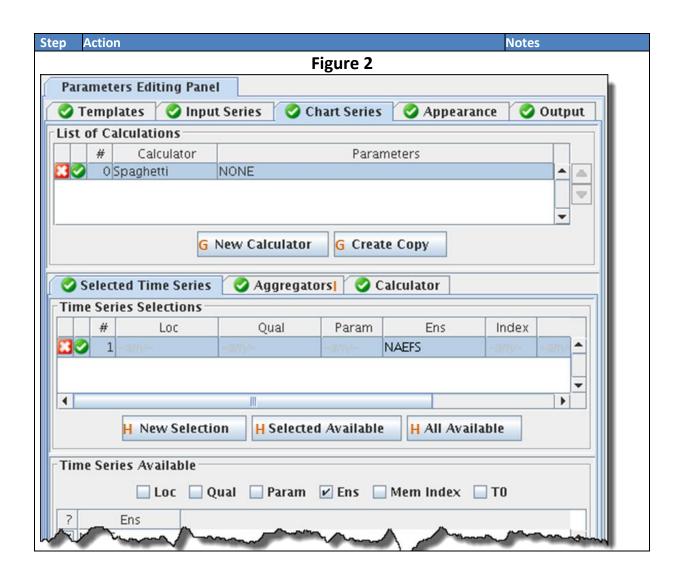
Note: Charts are added in reverse order; the first set of chart series overlays the second.

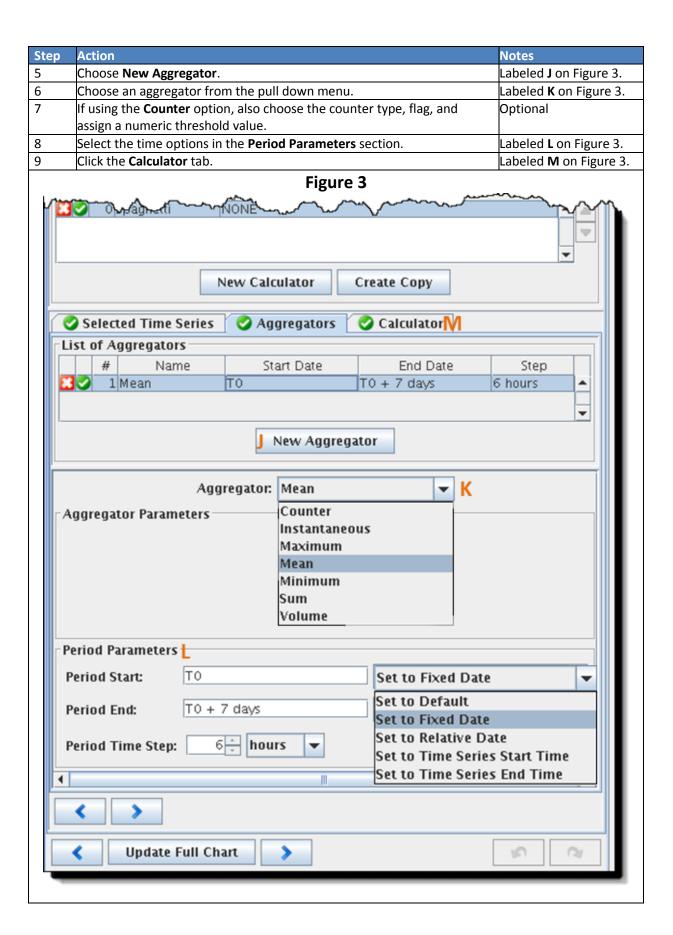
Step	Action	Notes
1	Click the Input Series panel on the GraphGen Editor GUI.	Labeled A on Figure 1.
2	Click New Provider (to add information manually) or Add from Data	Labeled B on Figure 1.
	Viewer (to populate from the selected segment) to add a new input time	
	series.	
3	Select a provider from the Select Provider pull down menu.	Labeled C on Figure 1.
4	Remove unwanted time series by clicking the red X beside a time series	Optional
	or click the Remove All button.	
5	Click the Use Display Units box to convert the data to display units.	Optional
6	Click the Include Thresholds box to load thresholds associated with the	Optional
	time series.	
7	Click the Set to Default buttons to use arguments instead of hard coded	Optional
	locations.	
8	Click the checkboxes beside the Provider Options to override the start,	Labeled D on Figure 1.
	end, and T0 times.	
9	Use the pull down menus to choose relative or fixed dates. Default is	Labeled E on Figure 1.
	also an option for TO.	
10	Click the Chart Series panel.	Labeled F on Figure 1.

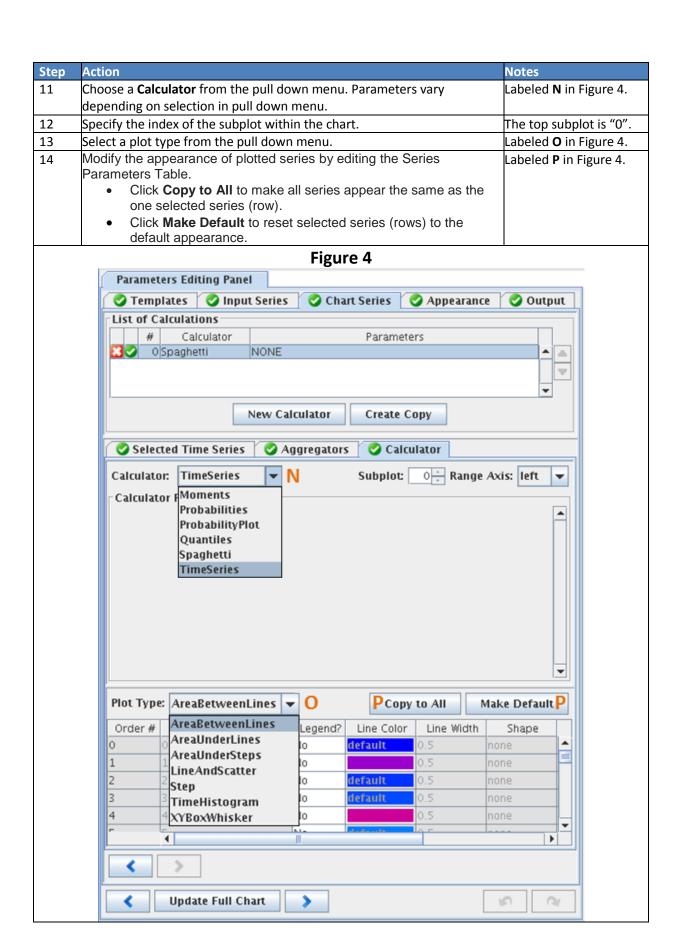


STEP 3 Specify the Calculations for Each Chart Series









STEP 4 Save and Upload the Template

Step	Action	Notes
1	Click the Save as Template icon. Specify a new name if editing a new product.	
2	In the GraphGen Tree GUI, click the Upload Products and Settings button.	
3	From the Confirm Upload GUI, click Yes to continue.	
4	Click OK to dismiss the Upload Successful GUI. Upload Successful (on Ix1-ntcc) × Upload completed without errors.	

Building and Editing Product Templates

Objective: Build or edit a Graphics Generator product template.

Notes: Graphics Generator **must** be configured on the CHPS Stand Alone instance. Edit the product in the order used in this job sheet.

STEP 1 Locate a Product Template

Step	Action		Notes
1	Open the Stand Alone instance of CHPS config	r Graphics	
	Generator.		
2	Click the GraphGen Editor icon or from the IFI	Tools	menu, select
	GraphGen Editor.		
	Build	Edit	
1	Click the Data Viewer panel.	1	Click the Load Product or Template icon.
2	Click the forecast group folder to expand.	2 Select a product from the list on the	
		Template and Product Manager window.	
3	Select a segment from the panel.	3 Click Open.	
4	Click the New button in the Editor Tool Bar .		

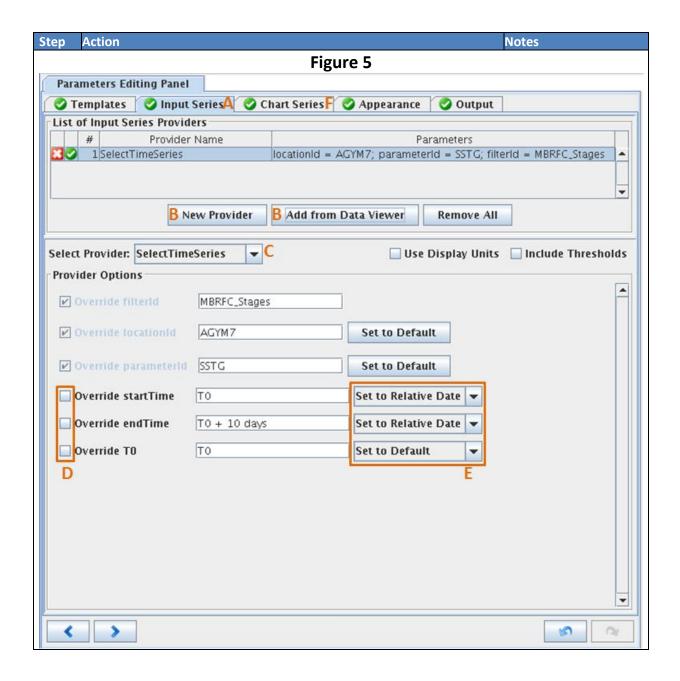
STEP 2 Specify Templates to Apply (optional)

Step	Action	Notes
1	Click the Templates tab.	
2	Click the New icon.	**
3	•	This opens the Open Template dialog.
4	Choose a template from a table of Existing Templates .	
5	Click OK .	

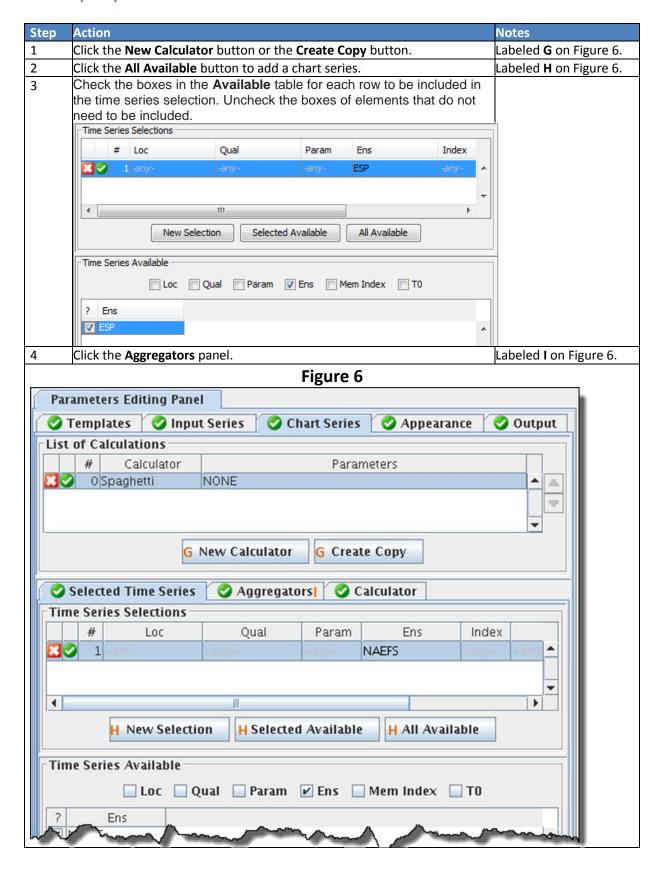
STEP 3 Specify Input Time Series

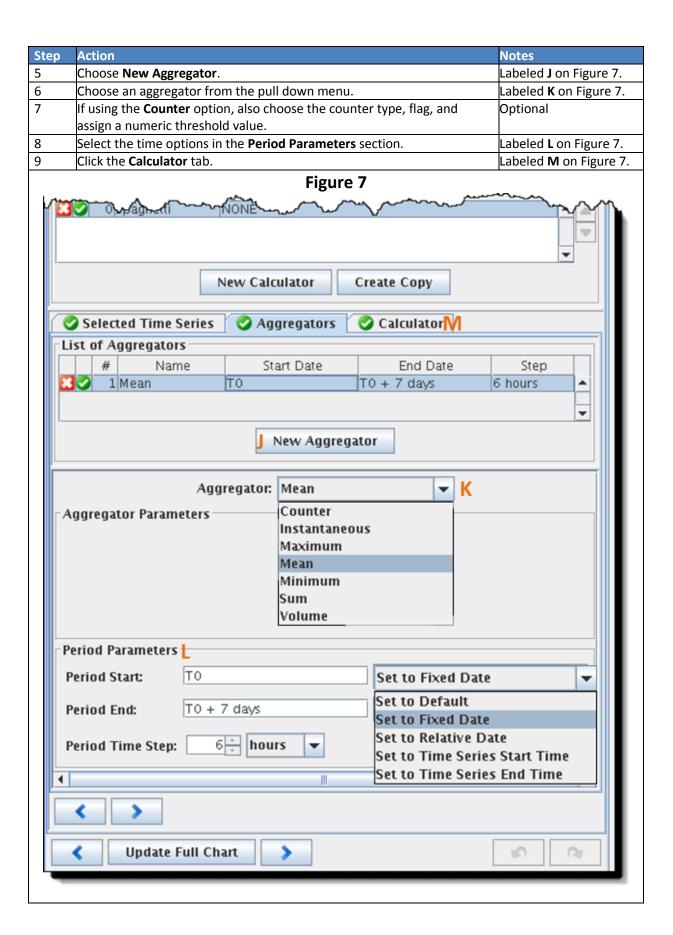
Note: Charts are added in reverse order; the first set of chart series overlays the second.

Step	Action	Notes
1	Click the Input Series panel on the GraphGen Editor GUI.	Labeled A on Figure 5.
2	Click New Provider (add information manually) or Add from Data Viewer (to populate from the selected segment) to add a new input time series.	Labeled B on Figure 5.
3	Select a provider from the Select Provider pull down menu.	Labeled C on Figure 5.
4	Remove unwanted time series by clicking the red X beside a time series, or click the Remove All button.	Optional
5	Click the Use Display Units box to convert the data to display units.	Optional
6	Click the Include Thresholds box to load thresholds associated with the time series.	Optional
7	Click the Set to Default buttons to use arguments instead of hard coded locations.	Optional
8	Click the Provider Options boxes to override the start, end, and T0 times.	Labeled D on Figure 5.
9	fixed dates.	Labeled E on Figure 5. Default is also an option for T0.
10	Click the Chart Series panel.	Labeled F on Figure 5.

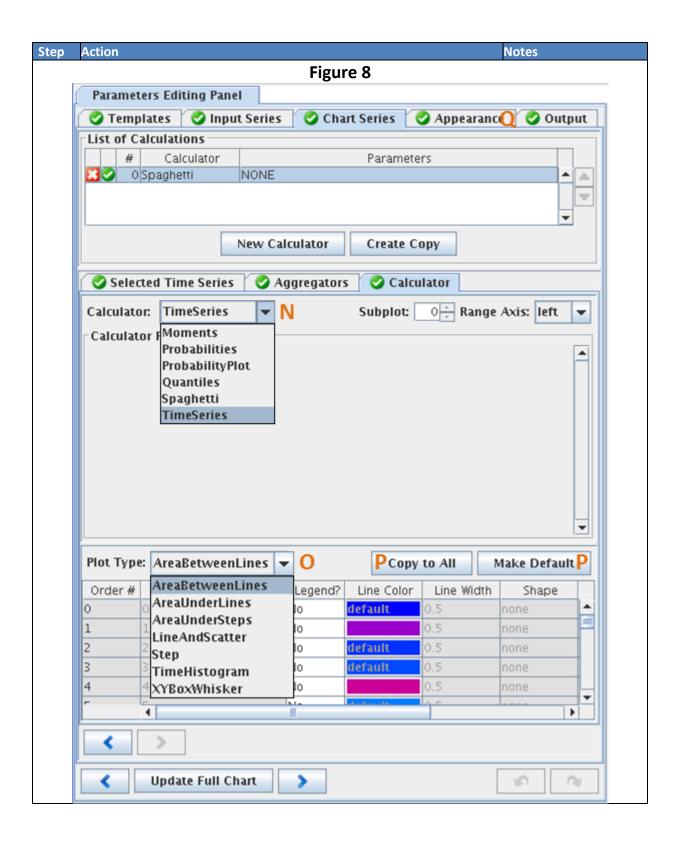


STEP 4 Specify the Calculations for Each Chart Series



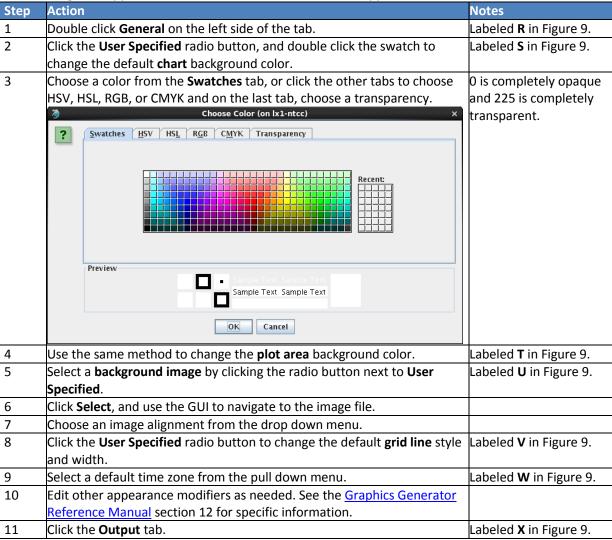


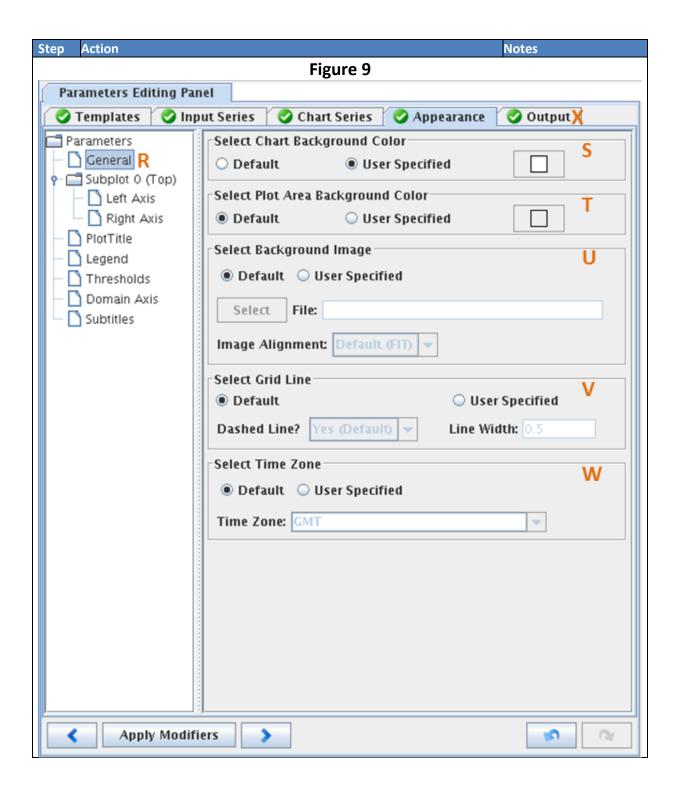
Step	Action	Notes
11	Choose a Calculator from the pull down menu. Parameters vary	Labeled N in Figure 8.
	depending on selection in pull down menu.	
12	Specify the index of the subplot within the chart.	The top subplot is "0".
13	Select a plot type from the pull down menu.	Labeled O in Figure 8.
14	Modify the appearance of plotted series by editing the Series Parameters Table.	Labeled P in Figure 8.
	 Click Copy to All to make all series appear the same as the one selected series (row). 	
	 Click Make Default to reset selected series (rows) to the default appearance. 	
15	Click the Appearance tab.	Labeled Q in Figure 8.



STEP 5 Modify Appearance

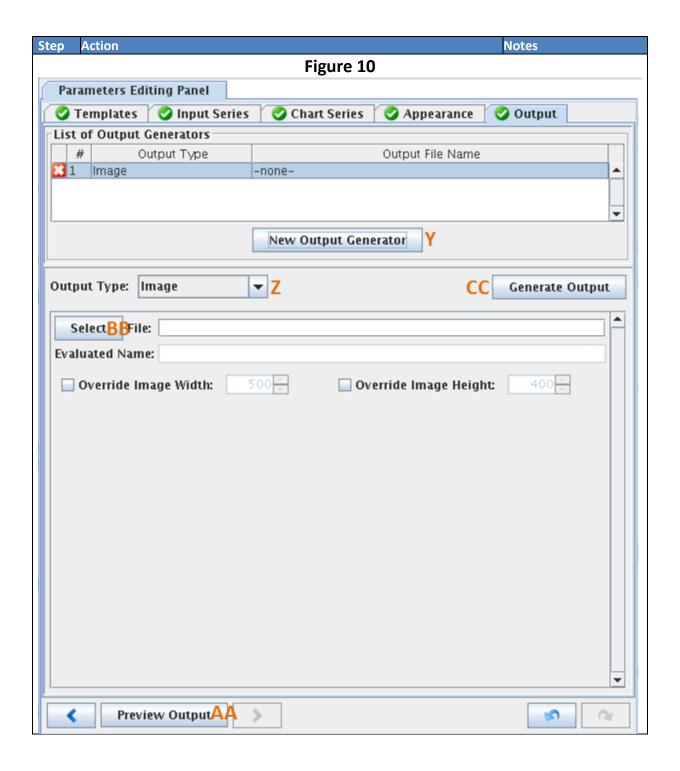
Note: Changes to appearance modifiers override the default appearance values.





STEP 6 Specify Output (for products generated via a workflow)

Step	Action	Notes
1	Click the New Output Generator radio button to add an output	Labeled Y in Figure 10.
	generator to a product template.	
2	Select an output type from the Output Type box.	Labeled Z in Figure 10.
	Output Type: PiTimeSeriesXML 🔻	
	Image	
	ParametersXML	
	PiTimeSeriesXML	
	Tabular	
3	Click the Preview Output Button preview the output in the Current Display Panel .	Labeled AA in Figure 10.
4	Specify the output parameters, including the file name, in the Output	
	Parameters Panel.	
5	Click Select to navigate to the output directory, and specify a file name	Labeled BB in Figure 10.
	for the output.	
6	Click the Generate Output button.	Labeled CC in Figure 10.
7	Click OK to dismiss the Successfully Generated Output dialog.	
	Successfully Generated Output (on lx1-ntcc) ×	
	(i) Output file /awips/chps_share/test.PNG generated.	
	OK.	



STEP 7 Save and Upload the Product

Step	Action	Notes
1	Click the Save as Product icon. Specify a new name if editing a previous product.	
2	In the GraphGen Tree GUI, click the Upload Products and Settings button.	
3	From the Confirm Upload GUI, click Yes to continue.	
4	Click OK to dismiss the Upload Successful dialog.	

Managing Graphics Generator Templates

Note: This job sheet assumes Graphics Generator has been configured for both the host Stand Alone and the target Stand Alone.

Copying Product and Referenced Templates

Step	Action	Notes
1	Open the host Stand Alone instance of CHPS.	
2	Click the GraphGen Editor icon, or from the IFD menu, select GraphGen Editor .	
3	Click the GraphGen Tree panel to make it active.	
4	Click the Product and Template Manager icon.	
5	Select the template(s) to export.	
6	Click Export.	
7	Click Yes to export selected templates.	
8	From the Select Export File GUI, navigate to desired directory.	
9	Type a filename for the file in the text entry box.	System automatically adds the file extension.
10	Click Open to save the exported file to the backup directory.	
11	Close the host instance of the Stand Alone.	
12	Open the target Stand Alone instance of CHPS.	
13	Click the GraphGen Tree panel to make it active.	
14	Click the Product and Template Manager icon.	
15	Click Import.	
16	Navigate to the directory storing the host Stand Alone files.	
17	Select the file, and click Open .	The template appears at the top of the list.
18	Click Close to dismiss the Product and Template Manager.	

Uploading Templates and Settings

Step	Action	Notes
1	Open the Stand Alone instance of CHPS.	
2	Click the GraphGen Tree panel to make it active.	
3	Click the template(s) to upload.	
4	Click the Upload Products and Settings icon.	
5	Confirm the upload by clicking Yes .	
6	Click OK to dismiss the Upload Successful dialog. Upload Successful (on Ix1-ntcc) × Upload completed without errors.	

Downloading Templates and Settings

Step	Action	Notes
1	Open the Stand Alone instance of CHPS.	
2	Click the GraphGen Tree panel to make it active.	
3	Click the template(s) to upload.	
4	Click the Download Products and Settings icon.	
5	Confirm the upload by clicking Yes .	
6	Click OK to dismiss the Download Successful dialog. Download Successful (on lx1-ntcc) x Download completed without errors.	

Backing Up Files

Step	Action			Notes
1	Navigate to a directory on the system where you want to store the files.			
2	Make a directory for the backup files. Consider		Consider including the	
				date in a logical name
	mkdir gg_backups_10mar14			for the new directory.
	Using Graphics Generator	Command Line		nd Line
1	Open the Stand Alone instance of CHPS.	1	Navigate to the dire	ectory designated as the
			Central Area.	
2	Click the GraphGen Tree panel to make it	2	Copy the	
	active.		OHD_GRAPHGEN_PROD	UCTS_AND_SETTINGS.xml file
3	Click the Product and Template Manager		to the backup directory.	
	icon.			
4	Select the template(s) to export.			
5	Click Export.			
6	Click Yes to export selected templates.			
7	From the Select Export File GUI, navigate			
	to the backup directory.			
8	Type a filename for the file in the text entry			
	box.			
9	Click Open to save the exported file to the			
	backup directory.			

Deleting Reference or Product Templates

Step	Action	Notes
1	Complete all steps in the Backing Up Files section of the job sheet.	Highlight all files to do a complete backup.
2	Click the Product and Template Manager icon.	
3	Select the file to delete.	
4	Click the Remove button.	
5	Click Yes to confirm file deletion.	

Reporting Problems on FogBugz

Objective: Report issues on the FogBugz web site, providing as much pertinent information as possible.

STEP 1 Log On to the FogBugz Website

Step	Action	Notes
1	From an internet browser, go to Schuylkill.nws.noaa.gov:7069	If the page does not
		load, send it again.
2	Log in using the RFC username and password.	Box is in the upper right
	Log on to FogBugz Email: Password: Log On	corner.

STEP 2 Search for Relevant Cases

Note: In Internet Explorer, the search function only works in Compatibility mode.

Step	Action		Notes
1	Type a keyword associated with the topic/problem in the upper right search box.	HWSTC My Settings ▼ Extras ▼ Help ▼ Log Off Working On ▼ ☆Starred ▼	Documents will be listed first, then cases.
2	If a case is located, look through or has been solved. Also, check	the status to see if it is still in progress the notes in the case.	
3	Track the progress of cases simi clicking the Subscribe button or	Priority 4 - Moderate (10-days to next release) Release Notes Add Release Note Subscribers Current Subscribers: Bradley McCune David Riley Edwin Welles Randy Rieman Add a subscriber RSS Feed Subscribe to receive email when this case changes.	
4	If the search yields no similar ca	ses, add a case.	

STEP 3 Submit a New Case

Step	Action	Notes
1	Click New Case on the top navigation bar.	
2	Name the case the main topic of the problem.	Labeled 1 on Figure 11.
3	Select CHPS-bugz in the Project drop down menu.	Labeled 2 on Figure 11.
4	Select the area relating to the issue.	Labeled 3 on Figure 11.
5	Choose a category.	Labeled 4 on Figure 11.
6	Enter your name.	Labeled 5 on Figure 11.
7	Enter your RFC ID.	Labeled 6 on Figure 11.
8	Describe the issue, in depth. Make sure to note where, when, how, what	Labeled 7 on Figure 11.
	directories or files are involved, and its impact.	
9	Set a priority.	Labeled 8 on Figure 11.
10	Make sure to include tags for easier searching.	Labeled 9 on Figure 11.
11	Change the priority, add more users, and attach a file.	Labeled 10 on Figure
		11.
12	Click OK .	Labeled 11 on Figure
		11.

