

## Common .Apps\_defaults tokens

### SHEF TOKENS

All of the SHEF token definitions can be found in the [SHEF Decoder Operations Guide](#) . In the following section, we will discuss those SHEF tokens that have a more obvious relationship to the interactive applications, as well as those tokens that have come up more frequently in troubleshooting activities.

\* Default Value (OTHER POTENTIAL VALUES, IF NON-NUMERIC)

SHEF TOKEN	DEFINITION	DEFAULT VALUE *	EXPLANATION
shef_winpast	specifies number of days in past observed data will be accepted	10 days	If the observed time in the shef message is further in the past than the token value, the data will not be posted to the database
shef_winfuture	specifies number of minutes in future, relative to current time, that observed data time stamp can be for data to be posted	30 minutes	If the observed time in the shef message is further in the future than the token value, the observed data will not be posted to the database
shef_use_revcode	specifies whether or not to use the revision code when processing <a href="#">duplicate data</a>	0 (1)	Used in conjunction with vi_always_overwrite_flag, this code is used to determine if <a href="#">duplicate data</a> will be posted to the database. A value of 0 means that the shef message must contain the revision code (.AR, .BR, or .ER) in order for the decoder to post <a href="#">duplicate data</a> . A value of 1 means post duplicate data regardless of whether the shef message contains the revision code.
vi_always_overwrite_flag	specifies whether to simply always post <a href="#">duplicate data</a> , or use the shef_use_revcode value when processing duplicate data	OFF (ON)	If this value is ON, then the decoder will always post <a href="#">duplicate data</a> , regardless of the shef_use_revcode value. If this value is OFF, then it is used in conjunction with the shef_use_revcode value to determine whether to post duplicate data
shef_load_ingest	specifies whether to automatically load the IngestFilter table or not, with station id-PEDTSE combinations as they arrive in the input data flow	ON (OFF)	Determines whether the decoder will post lid/PEDTSE combinations to the IngestFilter upon receipt. The IngestFilter is used by the Time Series application, Hydroview, and Riverpro. If lid-PEDTSE combinations are not in the IngestFilter, you will not be able to use these data in the above

			applications.
shef_storetext	specifies whether to post raw encoded shef messages to the TextProducts table	OFF (ON)	Within Hydroview/MPE, the user has the ability to view the raw shef messages through the Product Viewer. The Product Viewer reads the TextProducts table. If the token value is OFF, and data is not posted to TextProducts, then there will be no data to view in the Product Viewer.
shef_post_unk	specifies how to process data for locations that are not defined	NONE (IDS_ONLY, IDS_AND_DATA)	If a shef message contains data for a location which is not defined in the database, the decoder can do one of 3 things: do nothing with the data (token value NONE); store the id only in the unkstn table (IDS_ONLY); or store the entire data record in the unkstnvalue table (IDS_AND_DATA)
shef_post_baddata	specifies how data which fails the gross quality control checks should be posted	REJECT (PE)	The user has the option of posting data to the rejected data table if said data fails the gross QC checks (REJECTED), or co-mingling bad data with good data in the appropriate observed data table (PE)
shef_post_latest	specifies whether to post the data to the latestobsvalue table if it is the most recent observation for a given location/PEDTSE	OFF (ON, VALID)	This token value impacts the functionality of the Station Reporting Status screen in Hydroview/MPE. If the value is set to OFF, data is not posted to latestobsvalue, which is the table that is used to populate the Station Reporting Status window. If the value is set to VALID, only data which passes the gross range check is posted to latestobsvalue. If the token value is set to ON, all data, regardless of its quality, is posted to latestobsvalue
shef_load_maxfcst	specifies whether the riverstatus table should be updated with maximum forecast data after processing a product which contains at least one forecast stage or discharge value	ON (OFF)	The riverstatus table is used by Hydroview/MPE to determine the stage/discharge data to post on the map display, and what color the icons should be (in comparison with action and flood stage). Riverpro also uses the data in riverstatus to determine its recommendations. If data is not posted to riverstatus (token value OFF), then these applications will not provide their optimal functionality.
shef_alertalarm	specifies whether the decoder should check incoming data against alert/alarm thresholds	ON (OFF)	If the decoder checks the incoming data against alert/alarm criteria (token value ON), and the data exceeds this criteria, it is posted to the alertalarmval table. The data in alertalarmval is the basis for generating the alarm messages that go to the text database/workstation. If the token value is OFF, the alert/alarm capabilities will be rendered ineffective.

Any changes in shef decoder **.Apps\_defaults** token values should be entered in the **.Apps\_defaults\_site** file. The **.Apps\_defaults** file is considered a national file and is under baseline control. As such, it is re-delivered with every AWIPS build, and any changes made to this file will be lost. The **.Apps\_defaults\_site** file is under local control, and is not re-delivered. In order for any changes to the shef decoder tokens to take effect, the shef decoder itself must be stopped and re-started. Within OB3, there is a new window in Hydrobase which allows the user to stop and re-start the application without having to go to the command line.

## WHFS TOKENS

There are several tokens that control the behavior of the WHFS applications. Following is a discussion on some of the more commonly used/modified WHFS tokens.

\* Default Value (OTHER POTENTIAL VALUES, IF NON-NUMERIC)

WHFS TOKEN	DEFINITION	DEFAULT VALUE*	EXPLANATION
hv_height_in_pixels	height of the hydroview map in pixels	900	You cannot use the mouse to click and drag the hydroview map borders in order to expand its size. You can modify its size via this token
hv_width_in_pixels	width of the hydroview map in pixels	1200	You cannot use the mouse to click and drag the hydroview map borders in order to expand its size. You can modify its size via this token
hv_map_width	width of the hydroview map background in nautical miles	320	When Hydroview first comes up, the physical distance covered from side to side is defined by the value of this token.
hv_zoom_out_limit	specifies how far the map can be zoomed in (nautical miles)	20	When the Hydroview/MPE was introduced in 5.2.2, there was a limit as to how far the user could zoom in. This token was defined to overcome that limitation.
hv_hours_in_window	specifies a time window in hours	4	A new feature in Hydroview allows the user to display temporal changes in data elements over a user-specified time period. This token provides a window around both the beginning and ending times for the application to look for data. For example, the user can set up Hydroview to display a 24 hour change in river heights, ending at 12Z today. The application will look for data at 12Z today, +/- 4 hours, and 12Z yesterday, +/- 4 hours. If multiple obs are found in that window, it will choose the one closest to the ending time.
hv_pointdata_display	specifies whether or not to color the river icons based on the state of the data when the application is started	ON (OFF)	The user can decide whether or not to color the triangle icons when the application first starts up. If the token is set to OFF, less time is required to get the application up and running.
hv_riverbasis	specifies the initial river basis for the display of river data on Hydroview	maxobsfcst (obs,fcst)	When river data is initially displayed on Hydroview/MPE, the data is read from the riverstatus table. Riverstatus contains the most recent observed data, and the maximum forecast value from the most recent forecast time series for a given location. If the token value is set to maxobsfcst, then the value displayed will be the maximum of these two data values. If the token is set to obs, then

			the observed data will be displayed; if the token is set to fcst, then the forecast data will be displayed. Once Hydroview has been initialized, the user can modify this parameter using the Point Display Control panel.
hv_durhours	specifies the initial duration over which to look for data when Hydroview/MPE is started.	24	When Hydroview/MPE is first started, this token provides information for the application so that it knows how far back in time to look for data for display. Once Hydroview has been initialized, the user can modify this parameter using the Point Display Control panel.
shefencode_prodid	specifies the 10 character product id for products being disseminated using the Tabular Time Series Shef Encoding function.	CCCCNNXX	When editing data in the Time Series, and then shef-encoding, in order to disseminate the shef-encoded message, a 10 character product id must be defined. These 10 character product ids are defined in a similar manner as the 10 character Riverpro ids. The user can also edit this value from the Tabular Time Series display.
rpf_linewidth	specifies the number of characters to output on a line of a Riverpro product before advancing to the next line	80	Riverpro will linewidth based this token value definition. This value is a global value-applicable to all Rivepro products.
whfs_printcommand_HP	specifies the print command to be used when executing a print option from the WHFS applications on the HP workstations	lp	The lp command will result in printing to the black and white printer. The XXXXX command will result in printing to the color printer.
whfs_printcommand_LX	specifies the print command to be used when executing a print option from the WHFS applications on the Linux workstations	"lp -dohlp1"	The "lp -dohlp1" command will result in printing to the black and white printer. The XXXXX command will result in printing to the color printer.
sshp_fcst_ts	specifies the type/source to be used when writing Site Specific-generated forecasts to the database.	FZ	In order to differentiate Site Specific-generated forecasts from RFC-generated forecasts, you may want to use a different type/source value. This value an also be manually edited from the Site Specific application.
gaff_execution	specifies whether the generate_areal_ffg (gaff) process executes	ON (OFF)	The gaff process will mosaic the gridded ffg values from multiple RFCs over the MPE-defined area for a WFO.
gaff_rfc_list	specifies a list of RFCs for which to mosaic the gridded ffg. The list is comma separated, with no spaces.	ABRFC,LMRFC*	For your defined MPE area, you probably want to include those RFCs whose area of responsibility intersects. *DEFAULT: (ANY OF THE 13 RFCs, using their appropriate 5 character identifier)

As with the shef decoder .Apps\_defaults token values, any changes to the WHFS token values should be entered in the.Apps\_defaults\_site file.