

I.2-UNIX-XNAV PROGRAM EXECUTION INFORMATION FOR THE INFORMIX
DATABASE, GRIDDED DATA AND OFS PROCESSED DATA BASE
DISPLAY PROGRAM (XNAV) ON UNIX SYSTEMS

Apps_defaults Tokens

XNAV uses apps_defaults tokens to set execution options and path names. See Chapter I.2-UNIX for a description of the Apps_defaults System.

Tokens that are specified as no or yes can be specified as 0 or 1.

The following is a description of each variable:

<u>Token</u>	<u>Description</u>
check_flood_on_boot	option to perform flood check on startup: no = not to check Informix yes = check
db_convention	server convention option: 0 = use db@server convention 1 = use //server/db
db_days	number of days of data in Informix database
db_name	Informix database name
ffg_gridro_dir	directory where grid-based 1, 3, 6, 12 or 24 hour threshold runoff files are located
load_db_on_boot	option to load Informix data on startup: no = do not load Informix data yes = load Informix data
load_ofs_on_boot	option to load OFS data on startup: no = do not load OFS data yes = load OFS data
server_name	Informix server name
use_new_xmrg	option to used old or new xmrg file format: no = use old format yes = use new xmrg format
xnav_action_color	color to display action stage in hydrograph
xnav_afosid	AFOS identifier for edit changes
xnav_basins	option to display basin boundary overlay: no = do not display yes = display

<u>Token</u>	<u>Description</u>
xnav_counties	option to display county boundary layer overlay: no = do not display yes = display
xnav_cwas	option to display county warning areas overlay: no = do not display yes = display
xnav_daily_days	number of days back from today for dates of data to be displayed in window boxes
xnav_data_dir	directory for archived FFG and QPF products
xnav_debug_level	debug output display level: 0 = no debug output
xnav_editor	name of editor to be used to edit files
xnav_exception_file	name of file that contains exception information
xnav_ffg_periods	number of FFG periods you have in the FFG products
xnav_fgroups	option to display Forecast Groups overlay: no = do not display yes = display
xnav_flights	option to display snow flight lines overlay: no = do not display yes = display
xnav_flood_color	color to display flood stage in hydrograph
xnav_geo_data	location of binary geo_data files
xnav_gif_dir	directory where gif files are to be saved
xnav_grid_ffg_pattern	file name pattern for gridded FFG files - valid values are 'xhr' and 'gridffg' - default is 'xhr'
xnav_grid	option to display HRAP grid overlay: no = do not display yes = display
xnav_hrap_x	number of HRAP grid bins in the x direction that the area covers
xnav_hrap_xor	HRAP grid number that starts the area in

<u>Token</u>	<u>Description</u>
	the x direction
xnav_hrap_y	number of HRAP grid bins in the y direction that the area covers
xnav_hrap_yor	HRAP grid number that starts the area in the y direction
xnav_hyd_days_fut	number of days in future to display on hydrograph
xnav_hyd_days_prev	number of days in past to display on hydrograph
xnav_hydro_height	size of height of hydrograph (reset to 750 if larger than 750)
xnav_hydro_segments	option to display hydro OFS Segment identifier overlay: no = do not display yes = display
xnav_hydro_width	size of width of hydrograph (reset to 750 if larger than 750)
xnav_label_font	font for window labels
xnav_legend_font	font for main window legend
xnav_list_font	font for window lists
xnav_localdata_dir	directory where rrl (the ASCII file it creates when editing data) to be written
xnav_locrangecheck	option check the locrangecheck table in Informix for max/min stage values before displaying obs on hydrograph - allows bad data to be viewed on hydrographs: no = do not do check yes = check
xnav_only_use_ofs_data	option to only load Informix stage data for hydrograph plots that is transferred to OFS: no = use all data yes = use only OFS data
xnav_menu_font	font for window menus
xnav_misc_dir	directory where miscellaneous flat files are located
xnav_office_hdr	AFOS office that originates AFOS messages

<u>Token</u>	<u>Description</u>
xnav_ok_color	color to display Informix data in hydrograph
xnav_Plxmrg_dir	location of xmrg/Plxmrg files created by P1 (not needed if xnav_show_pl_files=0)
xnav_params	directory where parameter files are located
xnav_pb_font	font for window push buttons
xnav_pe	the PE values that you may want to look at instantaneous data with
xnav_precip_filter	minimum gage or radar precipitation value to display
xnav_precip_hours	number of hours back from today for dates of data to be displayed in window boxes
xnav_qpfbin_dir	directory where HASQPF binary files are located
xnav_radars	option to display radar umbrellas boundary overlay: no = do not display yes = display
xnav_rfc	option to display RFC boundary overlay: no = do not display yes = display
xnav_rfcfmap_dir	directory where FMAP.d files are located
xnav_rivers	option to display the rivers boundary overlay: no = do not display yes = display
xnav_route_code	routing description for ASCII rrx messages
xnav_rules_dir	directory where ASCII 'rules of thumb' files are located
xnav_Slxmrg_dir	directory where Slxmrg files (Stagel data) created by P1 are located (not needed if xnav_show_pl_files=0)
xnav_scale	scale factor used to set the size of the main display window
xnav_scale_colors	scale factor used to set the size of the Preferences -> Colors display window

<u>Token</u>	<u>Description</u>
xnav_scale_font	font for window text boxes
xnav_scale_x	X scale factor used to set the size of the main display window
xnav_scale_y	Y scale factor used to set the size of the main display window
xnav_seg_type	Segment identifier format indicator: 1 = use the 5 letter handbook identifier 2 = use the Rating Curve identifier 3 = use the ABRFC method (Segments have 5 letter ID but an X or Q appended to the end) - for the OFS time series, it looks for a QINE time series and/or a PELE time series
xnav_send_shef	option to send ASCII rrx message to AFOS: no = do not send (sends directly to shefdata directory) yes = send
xnav_settoday	sets date to be used for today to mm/dd/yyyy
xnav_shefdata_dir	the SHEF data directory
xnav_show_p1_files	indicator if to show xmrq files created by P1 (Plxmrq files): no = do not display yes = display
xnav_sixhr_periods	number of 6 hour periods back from today for dates of data to be displayed in window boxes
xnav_states	option to display states boundary overlay: no = do not display yes = display
xnav_suppress_msg	option to suppress messages: no = do not suppress yes = suppress
xnav_text_font	font for window text boxes
xnav_toggle_font	font for window toggle buttons
xnav_town_font	font for text in window display area
xnav_towns	option to display towns names overlay:

no = do not display
yes = display

xnav_ts1_color color for the time series to plot 1
xnav_ts2_color color for the time series to plot 2
xnav_user user name
xnav_wfoqpf_dir directory where QPF files are located
xnav_x_offset number of HRAP grids to the west and east
 of area to be viewed
xnav_xmit_cmd command used to send to AFOS
xnav_xmrg_dir directory where of xmrg files created by
 Stage III or P1 are located
xnav_y_offset number of HRAP grids to the north and
 south area to be viewed

Examples for user OFSTEST:

xnav_user : ofstest

```
#.....  
# Date/time related tokens  
#.....  
db_days                 : 10  
xnav_daily_days        : 10  
xnav_ffg_periods       : 3  
xnav_hyd_days_fut      : 4  
xnav_hyd_days_prev     : 5  
xnav_precip_hours      : 240  
xnav_settoday          : 04/04/1993  
xnav_sixhr_periods     : 10
```

```
#.....  
# Directories and files to use  
#.....  
db_name                 : hd2_0ofstest  
xnav_data               : $(apps_dir)/xnav/data/$(xnav_user)  
xnav_params             : $(apps_dir)/xnav/parameters/$(xnav_user)  
xnav_P1xmrg_dir         : $(apps_dir)/nwsrfs/ofs/files/$(xnav_user)/griddb  
xnav_S1xmrg_dir         : $(xnav_data)/griddata  
xnav_bin_dir            : $(apps_data)/bin  
xnav_data_dir           : $(xnav_data)  
xnav_geo_data           : $(apps_dir)/geo_data/$(xnav_user)/binary  
xnav_gif_dir            : $(HOME)/gifs/xnav  
xnav_grid_ffg_dir       : $(apps_dir)/ffg/files/$(xnav_user)/grff  
xnav_localdata_dir      : $(xnav_data)/localdata  
xnav_misc_dir           : $(xnav_data)/misc_data  
xnav_qpfbin_dir         : $(xnav_data)/wfoqpf  
xnav_rfcfmap_dir        : $(xnav_data)/rfcqpff  
xnav_rules_dir          : $(xnav_params)/rules  
xnav_shefdata_dir       : $(xnav_data)/shefdata  
xnav_wfoqpf_dir         : $(apps_dir)/data/products  
xnav_xmrg_dir           : $(apps_dir)/nwsrfs/ofs/files/$(xnav_user)/griddb
```

```

#.....
#   Fonts and colors
#.....
xnav_action_color      : yellow
xnav_flood_color       : red
xnav_ok_color          : green
xnav_ts1_color         : yellow
xnav_ts2_color        : magenta
xnav_label_font        : ncnb14
xnav_legend_font       : ncnb14
xnav_list_font         : ncnb14
xnav_menu_font         : -*helvetica-bold-r-normal-*14-*-*-*-*-*iso8859-1
xnav_pb_font           : ncnb8
xnav_text_font         : charb18
xnav_toggle_font       : ncnb14
xnav_town_font         : courb12

#.....
#   Display options
#.....
xnav_basins            : yes
xnav_counties          : no
xnav_cwas              : no
xnav_fggroups          : no
xnav_flights           : no
xnav_grid              : no
xnav_radars            : no
xnav_rfc               : yes
xnav_rivers            : yes
xnav_states            : yes
xnav_towns             : yes

#.....
#   Other control options
#.....
load_ofs_on_boot       : no
check_flood_on_boot   : no
use_new_xmrg           : yes
xnav_afosid            : ? #PITRR1RHA
xnav_editor             : nedit
xnav_exception_file    : exception_file
xnav_hrap_x            : 59
xnav_hrap_xor          : 311
xnav_hrap_y            : 83
xnav_hrap_yor          : 410
xnav_hydro_height      : 400
xnav_hydro_width       : 750
xnav_locrangecheck    : no
xnav_only_use_ofs_data : no
xnav_pe                : "HG HP HT PP PT QR QT SD SF SW TA TD TS XC"
xnav_scale             : 8.0
xnav_scale_colors      : 3.0
xnav_seg_type          : 2
xnav_show_pl_files     : yes
xnav_suppress_msg      : yes
xnav_x_offset          : 300
xnav_y_offset          : 300

```