NAWIPS

Version 7.18.0 Release Notes - **May 21, 2024**

Scope

The release includes the following changes:

- Various bug fixes and other issue resolutions, including...
  - Fix for DCUAIR decoder misinterpreting valid TTTDD data of "21212" as a special flag
  - Change to default options to avoid NMAP2 plotting multiple surface observations per station per frame
- Table updates for...
  - March 2024 zone changes
  - Interstate highway map updated to match that of AWIPS

Tickets

The following list contains all tickets that are included in this version:

1. [NAWIPS-75] Display <=1 sub-hourly BUOY/METAR observation per frame per station
2. [NAWIPS-150] Fix future date issues in hurricane storm ID and external library ‘glib’
3. [NAWIPS-197] Fix NTRANS program segfault on WCOSS2 unless setup script run first
4. [NAWIPS-232] Update scripts that AWC baselined to N-AWIPS for G-AIRMET and ATDNet Lightning decoding
5. [NAWIPS-233] DCUAIR decoder misinterprets valid TTTDD data of "21212" as special flag
6. [NAWIPS-234] Update Interstate highway maps
7. [NAWIPS-235] Change build-generated $OS_BIN/bz* symlinks from absolute to relative paths
8. [NAWIPS-236] Implement maps/bounds table (zone) updates for March 2024

Known Issues, Limitations, and Restrictions

N/A

System Requirements

Operating Systems Supported

- RedHat 7 Linux 64 bit Version 3.10.0-957.27.2
- RedHat 8 Linux 64 bit Version 4.18.0-348.12.2

System requirements

- Operating system:
  - RHEL 7.6: RedHat Linux 64 bit version 3.10.0-957.21.3.el7.x86_64
  - RHEL 8.5 RedHat Linux 64 bit version 4.18.0-348.12.2.el8_5.x86_64
- Number of physical processors: 1
  - RAM: 12G
- Graphics:
  - NVIDIA Quadro P1000 4GB video memory, or

    - NVIDIA Quadro K2200 4GB video memory
- Hard drive:
    - 256GB SATA SSD drive
- Network:
    - 1Gbps Ethernet

Remote Centers Deployment Instructions

STEP	ACTION
1	Save a copy of the lightning decoder software and keys to a temporary folder ($TEMP1 $TEMP2): cp $GEMPAK/source/programs/dc/ltgdecode/* $TEMP1 cp $OS_BIN/etc/.kf/* $TEMP2
2	Download the compressed tar file from the distribution site, http://www.nco.ncep.noaa.gov/sdb/nawips/distribution, and unpack the file in an NAWIPS user directory.
3	Copy the lighting decoder keys over: mkdir $GEMAK/source/programs/dc/ltgdecode cp $TEMP1/* $GEMPAK/source/programs/dc/ltgdecode cp $TEMP2/* $OS_BIN/etc/.kf
4	Update all users' .cshrc or .profile as needed
5	Build the new NAWIPS system cd $GEMPAK/build external_libs_compile >&! EXTERNAL_BUILD_$NA_OS
6	cd $NAWIPS make all >&! MAKE_ALL_$NA_OS make link >&! MAKE_LINK_$NA_OS
7	cd $GEMPAK/utilities/a2conv make >&! A2CONV_MAKE_$NA_OS
8	To install NAWIPS onto AWIPS systems, follow the instructions from this link