



Scope

The release includes the following changes:

- Table updates (Volcano, METAR, SYNOP, maritime, March 2023 zones)
- Updates to Volcanic Ash Advisory user interface
- Bug fixes for nmap2
- Breakpoints and cone radii updates for 2023 hurricane season
- Reduced build warning messages on WCOSS2
- Removed log4j JARs

Tickets

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

1. [NAWIPS-182] Update volcano tables with current data
2. [NAWIPS-142] Make more UI updates for VAA
3. [NAWIPS-215] Routine Update surface METAR, SYNOP and maritime tables
4. [NAWIPS-199] HMON entries missing from ../gempak/tables/config/datatype.tbl
5. [NAWIPS-213] Nmap2 crashes when selecting ensemble datasets
6. [NAWIPS-216] Issue generating International SIGMETs for Tropical Cyclone
7. [NAWIPS-219] Implement various SCNs for maps/bounds table updates effective March 8, 2023
8. [NAWIPS-221] Update breakpoints for 2023 hurricane season
9. [NAWIPS-222] Update hurricane cone radii for 2023
10. [NAWIPS-217] Reduce NAWIPS build warning messages on WCOSS2 (1st round)
11. [NAWIPS-198] Remediate NAWIPS dependencies on Log4j 1.x if/as needed.

Known Issues, Limitations, and Restrictions

N/A

System Requirements

Operating Systems Supported

- RedHat 6 Linux 64 bit Version 2.6.32-754.3.5
- 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 6.10: RedHat Linux 64 bit version 2.6.32-754.15.3.el6.x86_64
 - 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 lightning decoder keys over: mkdir \$GEMPAK/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