



# **NAWIPS v7.12.0 Release Notes**



Application Name: NAWIPS  
Application Version: v7.12.0  
Release Date: Dec 15-22, 2020



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# Introduction

NAWIPS v7.12.0 release notes. Highlights of this release:

- Upgraded NCEP BUFRLIB to 11.3.0 to address 2021 issues.

This release note covers the following Requests for Change.

RFC NUMBER	RFC DESCRIPTION	Release Date
7586	NAWIPS v7.12.0 release	Dec 15-22, 2020

## System Requirements

### Operating Systems Supported

The supported operating systems for installing the product are:

- RedHat 6 Linux 32 bit Version 2.6.32-754.3.5
- RedHat 6 Linux 64 bit Version 2.6.32-754.3.5
- RedHat 7 Linux 64 bit Version 3.10.0-957.27.2

### System requirements

- Operation 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
- CPU Model:
  - RHEL 6.10: Intel(R) Xeon(R) CPU E5520 @ 2.27GHz 4 CPU cores
  - RHEL 7.6: Intel(R) Xeon(R) CPU E5-2630 v3 @ 2.40GHz 8 CPU cores
- 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





## Fixed Issues

NAWIPS 7.12.0	DESCRIPTION
<a href="#">NAWIPS-133</a>	Updated ncepBUFR v10.2.3 to v11.3.0 to address 2021 issues in part. Changes have been made to the config scripts gem_build.{sh,csh} and build scripts , external_libs_compile, and cepbufr_compile,
<a href="#">NAWIPS-153</a>	Added map overlays 'Public Wx Zones' and 'Fire Wx Zones' to baseline selections for NMAP2.

## Known Issues

None

## Proposed Release Schedules

Time	ACTION
12/15/2020	Release to NCWCP Local Centers  11-12Z WPC Workstations 12-14Z OPC 14-15Z NESDIS 15-16Z SDM/Data Flow
12/16/2020	Release to Remote Centers via: <a href="http://www.nco.ncep.noaa.gov/sdb/nawips/distribution">http://www.nco.ncep.noaa.gov/sdb/nawips/distribution</a>
12/17/2020	20-21Z CPC
12/22/2020	11-12Z WPC Compute Farm





## NCWCP Workstation Deployment Instructions

STEP	ACTION
1	ssh nawips1@vm-lnx-ncosrv
2	cd .operations
3	vi *_*<center> (e.g., opc) <Change the files to source the appropriate account> (i.e., nawips4)

## NCWCP Compute Farm Deployment Instructions

STEP	ACTION
1	ssh nawcf1@vm-lnx-sibcf8
2	cd .operations
3	vi *_*<center> (e.g., opc) <Change the files to source the appropriate account> (i.e., nawips4)

## 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/lgtgdecode/* \$TEMP1 cp \$OS_BIN/etc/.kf/* \$TEMP2
2	Download the compressed tar file from the distribution site, <a href="http://www.nco.ncep.noaa.gov/sdb/nawips/distribution">http://www.nco.ncep.noaa.gov/sdb/nawips/distribution</a> , and unpack the file in an NAWIPS user directory.
3	Copy the lightning decoder source code and keys over: mkdir \$GEMPAK/source/programs/dc/lgtgdecode cp \$TEMP1/* \$GEMPAK/source/programs/dc/lgtgdecode 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 <a href="#">this link</a>

