



Release Notes



Application Name: NAWIPS
Application Version: v7.8.0
Release Date: October 15-22, 2019



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Introduction

NAWIPS v7.8.0 release notes. Highlights of this release:

- Implemented SCN19-55 to 58
- Updated PSA maps/bounds/tables

This release note covers the following Requests for Change.

RFC NUMBER	RFC DESCRIPTION	Release Date
6023	NAWIPS v7.8.0 release	October 3-17, 2019

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 3.10.0-862.14.4 (beta version)

Minimum 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

Operational and Maintenance Fixes

The following list contains fixed issues for releases v7.8.0.

NAWIPS 7.8.0	DESCRIPTION
NAWIPS-103	Implemented SCNs 19-55 to 58, effective September 10, 2019: SCN19-55: Changes in Public Forecast Zones for SE Montana and NE Wyoming SCN19-56: Changes to Fire Weather Forecast Zones for the Kittitas and Yakima Valleys of Washington and the E Columbia River Gorge in Washington SCN19-57: Changes to Public Forecast Zones for WFO Albuquerque, NM SCN19-58: Changes to the boundaries of fire Weather Forecast Zones in NE Wyoming and Western South Dakota
NAWIPS-110	Updated PSA (Predictive Service Area) maps/bounds/tables files
NAWIPS-113	Add AWE, Shearwater CN, to sounding table
NAWIPS-114	Updated build scripts, gem_build_vars.{csh,sh}, for RHEL 7

Proposed Schedules

Time	ACTION
10/3/2019	Release to Remote Centers https://www.nco.ncep.noaa.gov/sdb/nawips/distribution
10/15/2019	Release to NCWCP Centers 12-13Z OPC 13-14Z SDM 14-15Z WPC WS/NESDIS 18-19Z DF
10/22/2019	14-16Z WPC Compute Farm 20Z CPC





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> (e.g., nawips2)

NCWCP Compute Farm Deployment Instructions

STEP	ACTION
1	ssh nawcf1@vm-lnx-sibcf1
2	cd .operations
3	vi *_<center> (e.g., opc) <Change the files to source the appropriate account> (i.e., nawips2)

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 \$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

