



# Release Notes



Application Name: NAWIPS  
Application Version: v7.9.1  
Release Date: May 14-15, 2020



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# Introduction

NAWIPS v7.9.1 release notes. Highlights of this release:

- Maps and bounds file updates
- Decoder and display software updates for the addition of F60 in the hurricane track.

This release note covers the following Requests for Change.

RFC NUMBER	RFC DESCRIPTION	Release Date
	NAWIPS v7.9.1 release	May 14-15, 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

### 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 v7.9.1.

NAWIPS 7.9.1	DESCRIPTION
<a href="#">NAWIPS-122</a>	Basedlined SCNs19-103 to 112 for maps/bounds/tables updates effective Mach 3, 2020
<a href="#">NAWIPS-131</a>	Fixed hurricane decode and display code to process the addition of F60 position in the Tropical Cyclone forecast/advisory Message (TCM)

## Known Issues:

- GPMAP is unable to generate Mariners 1-2-3 graphic products correctly.
- JTWC storm track labels are incorrect.
- TCM storm track wind quadruple is incorrect at and after F60. Apparently there is 12-24h time lags, that is, F60 winds are plotted on F72, F72 winds are plotted on F96, etc.

## Proposed Release Schedules

Time	ACTION
5/14/2020	A tarball that includes the hurricane 2020 tables and code updates for SCN20-20 will be provided to the Remote Centers
5/15/2020	Release to NCWCP Centers

## NCWCP Workstation Deployment Instructions

STEP	ACTION
1	ssh nawips1@vm-lnx-ncosrv
2	cd .operations
3	vi *_ <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., nawips3)

## 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, <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 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 <a href="#">this link</a>
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