NAWIPS v7.11.0
Release Notes

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Introduction

NAWIPS v7.11.0 release notes. Highlights of this release:

- Fixed daylight saving time starting and end times for various time zones
- Updated bound and maps tables effective Oct 29, 2020 (SCN 20-69, SCN 20-70)
- Updated surface station tables
- Fixed 2020 TC wind breakpoint table

This release note covers the following Requests for Change.

RFC NUMBER	RFC DESCRIPTION	Release Date
7418	NAWIPS v7.11.0 release	Oct 27-Nov 3, 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 7.11.0	DESCRIPTION
NAWIPS-120	Fixed the start and end times of daylight saving time (DST) for various time zones. Prior to the fix, the DST always starts at 07Z and ends at 06Z that is only correct for the eastern time zone.
NAWIPS-143	Updated bound and maps tables effective October 29, 2020. SCN20-69: Changes to the boundaries of Fire Weather Forecast Zones in central and eastern South Dakota and northeast Nebraska effective October 29, 2020. SCN20-70: Changes to Fire Weather Forecast Zones for WFO Tucson, AZ, effective October 29, 2020.
NAWIPS-144	Updated surface station tables
NAWIPS-146	Fixed 2020 TC wind breakpoint table, tcabkptlz.tbl
NAWIPS-151	Fixed 2021 2-digit year issues in BUFRLIB 10.2.3

Known Issues
None

Proposed Release Schedules

Time	ACTION
10/27/2020	Release to NCWCP Local Centers 12-13Z OPC 15-16Z SDM/Data Flow 20-21Z CPC
10/28/2020	Release to Remote Centers: http://www.nco.ncep.noaa.gov/sdb/nawips/distribution
10/29/20	12-13Z NESDIS
11/3/2020	14-15Z WPC Compute Farm/WKS

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., nawips1)

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., nawips1)

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