NAWIPS v7.14.0
Release Notes

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Introduction

NAWIPS v7.14.0 release notes. Highlights of this release:

- Implemented SCN 21-02 to SCN 21-12 map/bounds/tables.
- Added the Great Salt Lake to hipowo.nws
- Fixed gdgrib2 file opening errors.

This release note covers the following Requests for Change.

RFC NUMBER	RFC DESCRIPTION	Release Date
7946	NAWIPS v7.14.0 release	March 30, 2021

System Requirements

Operating Systems Supported

The supported operating systems for installing the product are:

- 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
- 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 7.14.0	DESCRIPTION
NAWIPS-149	Updated the version number and rebuild the entire system
NAWIPS-160	Fixed gdgrib2 file creation errors when CPYFIL is set to &GDFILE , i.e., CPYFIL and GDFILE are identical
NAWIPS-162	Added the Great Salt Lake to hipowo.nws
NAWIPS-168	Implemented/Updated maps/bounds tables that take effect on March 30, 2021, including: SCN21-02: Changes to Public and Fire Forecast Zones for WFO Columbia, SC (CAE) SCN21-03: Changes to Public Forecast Zones for Weather Forecast Office Honolulu, HI (HFO) SCN21-04: Changes to Public and Fire Forecast Zones for NWS Weather Forecast Office Houston/Galveston, TX (HGX) SCN21-05 Updated: Changes in Fire and Public Zones for NWS Weather Forecast Office Jacksonville, FL (JAX), for Clay, Duval, and Putnam Counties in Florida SCN21-06: Changes to Public and Fire Weather Zones for NWS Weather Forecast Office New Orleans/Baton Rouge, LA (LIX) SCN21-07: Changes to Fire Weather Forecast Zones for NWS Weather Forecast Office Miami, FL (MFL) SCN21-08: Changes to Fire Weather Forecast Zones for WFO Reno, NV (REV) SCN21-09: Changes to Public Forecast Zones for WFO Salt Lake City, UT (SLC) SCN21-10: Hydrologic Service Changes for Green River and Colorado River in Utah provided by NWS WFOs Grand Junction, CO (GJT) and Salt Lake City, UT (SLC) SCN21-11: Changes to Marine Zones for WFO Duluth, MN (DLH) and WFO Marquette, MI (MQT) SCN21-12: Changes to Marine Zones for WFO New York, NY (OKX)
NAWIPS-171	Updated cone radii for 2021 hurricane season

NAWIPS-172	Eliminated duplicated MRMS product IDs in the image type tables

Release Schedules

Time	ACTION
3/30/21	Release to Remote Centers: http://www.nco.ncep.noaa.gov/sdb/nawips/distribution A tarball that has all the changes is available per request
3/31/31	Release to NCWCP Local Centers WPC (workstation): 10-12Z OPC: 11-13Z SDM/Data Flow: 14-16Z (DF may validate the upgrade after 17Z)
4/1/21	SAB/NESDIS: 14-16Z CPC: 21-21Z
4/6/21	WPC (compute farm): 10-12Z

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., nawips3)

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 v7.14.0 >

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