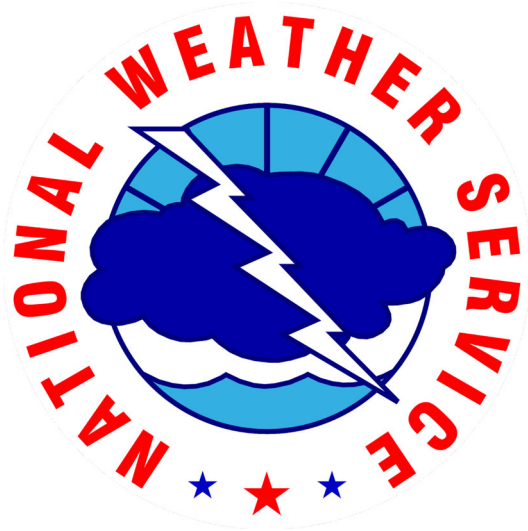




NAWIPS v7.10.0 Release Notes



Application Name: NAWIPS
Application Version: v7.10.0
Release Date: June 30-July 7,, 2020



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Introduction

NAWIPS v7.10.0 release notes. Highlights of this release:

- Fixed JTWC and TCM hurricane tracks and wind radii
- Fixed mariners tropical cyclone danger graphics
- Fixed FFW polygons under the new IBW (Impact-Based Warning) format
- Updated xmlConverter.jar to address xml to vgf converter issues

This release note covers the following Requests for Change.

RFC NUMBER	RFC DESCRIPTION	Release Date
7020	NAWIPS v7.10.0 release	June 30-July 7, 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 7.10.0	DESCRIPTION
NAWIPS-71	Added a toggle switch to turn off the tracking data associated with EDR (Eddy Dissipation Rate) per AWC's request
NAWIPS-125	Updated user interface for VAA (Volcanic Ash Advisory) VAA Ash Cloud Create/Edit and VAA Volcano Create dialogues. Also updated vaa.tbl per NESDIS/SAB's request
NAWIPS-126	Updated xmlConverter.jar to fix xml2vgf & vgf2xml converters per AWIPS PMO's request
NAWIPS-128	Fixed FFWs (Flash Flood Warnings) erroneous polygons reported by WPC due to the implementation of SCN19-60 on 9/16/2019, which reformatted FFWs into IBWs (Impact-Based Warnings) format.
NAWIPS-131	Updated 2020 hurricane breakpoints table and cone radii. Note that NHC has added radii for 60-h since NHC and CPHC are making a public 60-h forecast in 2020.
NAWIPS-132	Vetted GEFS ¼ by ¼ grids to ensure continuity of operations
NAWIPS-137	Removed Middletown, OH from surface station table (sfstns.tbl) and added 15 new surface stations to the table per SPC's request
NAWIPS-138	Fixed TCM and JTWC bulletin decoder and display, including <ul style="list-style-type: none"> ● Fixed JTWC storm track time stamps ● Fixed JTWC missing wind radii ● Fixed JTWC duplicated points when the storm is dissipating ● Interpolated F60 storm position from F48 and F72 for JTWC since SCN20-20 only applies to TCM. The storm type and wind radii will be carried forward from F48. ● Fixed TCM wind radii at and after F60
NAWIPS-139	Updated station number, lat/lon and elevation for GOOY, Sakar, SG in UAIR station table (snstns.tbl) per NHC's request
NAWIPS-140	Added 60-h forecast position to Mariner's Tropical Cyclone Danger Graphic in the wake of SCN20-20 implementation per NHC's request





Known Issues

JTWC storm track: time labelling on the first position is off by 3 h. This is a pre-existing issue.

Proposed Release Schedules

Time	ACTION
6/30/2020	Release to NCWCP Local Centers 12Z OPC 14-15Z WPC WKS/NESDIS 15-16Z SDM/Data Flow 20Z CPC
7/1/2020	Release to Remote Centers: http://www.nco.ncep.noaa.gov/sib/nawips/distribution
7/7/2020	14Z 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., 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): <pre>cp \$GEMPAK/source/programs/dc/ltdgdecode/* \$TEMP1 cp \$OS_BIN/etc/.kf/* \$TEMP2</pre>
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: <pre>mkdir \$GEMAK/source/programs/dc/ltdgdecode cp \$TEMP1/* \$GEMPAK/source/programs/dc/ltdgdecode cp \$TEMP2/* \$OS_BIN/etc/.kf</pre>
4	Update all users' .cshrc or .profile as needed
5	Build the new NAWIPS system <pre>cd \$GEMPAK/build external_libs_compile >&! EXTERNAL_BUILD_\${NA_OS}</pre>
6	<pre>cd \$NAWIPS make all >&! MAKE_ALL_\${NA_OS} make link >&! MAKE_LINK_\${NA_OS}</pre>
7	<pre>cd \$GEMPAK/utilities/a2conv make >&! A2CONV_MAKE_\${NA_OS}</pre>
8	To install NAWIPS onto AWIPS systems, follow the instructions from this link

