

# NAWIPS 6.6.0 Release Notes

---

## Product Release Information

- **Product:** NAWIPS
- **Release Number:** 6.6.0
- **Release Date:** 4 April 2012

## Introduction

This document contains the release notes for NAWIPS version 6.6.0. The following sections describe the release in detail and provide late-breaking or other information that supplements the main documentation.

This is a minor release with bug fixes, table updates and a few modifications, which are outlined below.

## What's New

1. Support for migration to AWIPS2
  - a. Updates to the library were made to support conversion from the legacy VG file format to the AWIPS2 XML-VG file format, and vice versa.
  - b. Updates to the functions to convert Shapefiles to and from the GEMPAK bound and map file formats.
2. Updated the hurricane cone graphic creation to fix the labeling for stationary storms.
3. Updated the location information for the TCV breakpoints. This information was provided by NHC.
4. Updated the hurricane average track error tables for the 2012 season. This information was provided by NHC.
5. Fixed the path for the log files created by the data decoders to include \$HOME to ensure the logs are written in the correct location by the LDM.
6. **Updated the system environment to differentiate between Linux versions in a better way. The new values for \$NA\_OS are:**
  - a. **RHEL 5 / 32 bit = linux2.6.18\_i686**
  - b. **RHEL 5 / 64 bit = linux2.6.18\_x86\_64**
  - c. **RHEL 6 / 32 bit = linux2.6.32\_i686**
  - d. **RHEL 6 / 64 bit = linux2.6.32\_x86\_64**
7. Maps and Tables
  - a. Updated location information for the Barrow, AK upper air station.
  - b. Added the MODIS TERRA and AQUA satellites to the definition table. This information was added by the OPC.

- c. Added a new group for NWX to allow NESDIS-SAB to monitor the required products. This helps with the removal of AWIPS1.
- d. Applied regular updates from the NWSHQ for the maps, bounds files and station tables.

## List of Modified Tables

- \$GEMTBL/bounds/countybnds.tbl, countybnds.tbl.info
- \$GEMTBL/bounds/mzcntybnds.tbl, mzcntybnds.tbl.info
- \$GEMTBL/bounds/mzbnds.tbl, mzbnds.tbl.info
- \$GEMTBL/bounds/osmzbnds.tbl, osmzbnds.tbl.info
- \$GEMTBL/bounds/pfzbnds.tbl, pfzbnds.tbl.info
- \$GEMTBL/bounds/firebnds.tbl, firebnds.tbl.info
- \$GEMTBL/stns/countynam.tbl, county.tbl
- \$GEMTBL/stns/mzcntys.tbl, marinenames.tbl
- \$GEMTBL/stns/firezones.tbl
- \$GEMTBL/stns/zones.tbl
- **\$NAWIPS/environ/gemenv.csh, gemenv.sh**
- \$GEMTBL/stns/snstns.tbl, snstns\_land.tbl
- \$GEMTBL/stns/tcabkpt\*.tbl
- \$GEMTBL/sat/imgtyp.tbl
- \$GEMTBL/hcnadv/altker.tbl, eptker.tbl
- \$GEMTBL/nwx/master.tbl, guidata.tbl

## List of Modified Maps

- \$GEMMAPS/tpmzcn.nws, himzcn.nws, memzcn.nws, lomzcn.nws
- \$GEMMAPS/tpmouo.nws, himouo.nws, memouo.nws, lomouo.nws
- \$GEMMAPS/tposuo.nws, hiosuo.nws, meosuo.nws, loosuo.nws
- \$GEMMAPS/tpznus.nws, hiznus.nws, meznus.nws, loznus.nws
- \$GEMMAPS/tpfzus.nws, hifzus.nws, mefzus.nws, lofzus.nws

## Installation Notes

### Download Site

The distribution may be found at <http://www.nco.ncep.noaa.gov/sib/nawips>. This Release Notes document is also available at this web site. The link to the download page is located at the bottom of the page. A user id and password are required to access the download area. This will be provided to site administrators via a phone call.

### Installation

After getting the necessary compressed tar file from the distribution page, unpack the tar file in your NAWIPS user directory. Please note that the “dot files” have been moved to subdirectories. The sample .cshrc and .profile files are in the sample\_files/ subdirectory and show the proper use and locations for these files. Update all users’ .cshrc or .profile as needed.

Build the entire system as follows:

- `cd $GEMPAK/build`
- `external_libs_compile >&! EXTERNAL_BUILD_${NA_OS}`
- `cd $NAWIPS`
- `make all >&! MAKE_ALL_${NA_OS}`
- `make link >&! MAKE_LINK_${NA_OS}`
- `cd $GEMPAK/utilities/a2conv`
- `make >&! A2CONV_MAKE_${NA_OS}`

Repeat this process for each operating system.

### System Requirements

The software has been built and tested on the following operating systems:

- Red Hat Enterprise Linux 5 (32 bit)
- Red Hat Enterprise Linux 5 (64 bit)

The software has been built and tested on the following operating systems, has not been verified for operational use:

- Red Hat Enterprise Linux 6 (32 bit)
- Red Hat Enterprise Linux 6 (64 bit)