NAWIPS 6.10.0 Release Notes

Product Release Information

- **Product:** NAWIPS
- **Release Number:** 6.10.0
- **Release Date:** 29 July 2013

Introduction

This document contains the release notes for NAWIPS, version 6.10.0. 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. Added the file name to an error message in the GIF device driver.
2. Updated the application DAT2PTS to recognize the new values added to the product generation tables.
3. Added the ability to plot AltiKa Satellite significant wave height and wind speed data. This work was done by Greg McFadden, OPC.
4. Updated the external support libraries to the latest versions:
    a. NCEP BUFRLIB – v10.2.3
    b. NCEP GRIB2C LIB – v1.4.0
    c. PNG library – v1.2.34
    d. ZLIB – v1.2.6
5. Fixed a problem creating GRIB files from GEMPAK files when the first longitude is equal to 0.0 and the second longitude is negative (West).
6. Added Data Representation Template 5.4 to the GRIB2C library.
7. Fixed a problem where Jason2 and Cryosat data disappeared from the display. The solution was to ensure that all data files opened during the process were properly closed.
8. Fixed the application VGF2TAG to set the correct tag name for the lat-lon pair for a Jet element. This work was done by Larry Hinson, AWC.
9. Increased the number of extra locations allowed in the Ice Drift decoder from 500 to 1200.
10. Increased the array size for the number of valid times in an NTRANS Metafile from 50 to 500.
11. Removed the old DB library and began work on a new DA library to access the AWIPS database from the GEMPAK applications.

12. Maps and Tables
    a. Removed Bedford, VA - county and city - entry from countyclust.tbl. Bedford city is no longer an independent entry in the original shapefile from the NWS.
    b. Added new group types for product generation for Fire Weather Outlook areas.
    c. Added entries for Lightning Strike Density to the GRIB parameter tables.
    d. Restored the AWC SIGBUFR entries in the v13 MELBUFR tables.
    e. Fixed coordPts.tbl to update the station identifiers. This work was done by Larry Hinson, AWC.
    f. 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/firebnds.tbl, firebnds.tbl.info
- $GEMTBL/bounds/mzcntybnds.tbl, mzcntybnds.tbl.info
- $GEMTBL/config/datatype.tbl, miscset.tbl
- $GEMTBL/grid/g2varsncep1.tbl, g2varswmo2.tbl, g2varswmo3.tbl
- $GEMTBL/melbufr/B3M-000-13-B, B3M-000-13-D
- $GEMTBL/pgen/grptyp.tbl, outlook.tbl
- $GEMTBL/stns/countynam.tbl, county.tbl
- $GEMTBL/stns/firezones.tbl
- $GEMTBL/stns/mzcntys.tbl
- $GEMTBL/stns/npsa.tbl
- $GEMTBL/stns/coordPts.tbl

List of Modified Maps

- $GEMMAPS/tpcnus.nws, hicnus.nws, mecnus.nws, locnus.nws
- $GEMMAPS/tpfzus.nws, hifzus.nws, mefzus.nws, lofzus.nws
- $GEMMAPS/tpmzcn.nws, himzcn.nws, memzcn.nws, lomzcn.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)
- Red Hat Enterprise Linux 6 (32 bit)
- Red Hat Enterprise Linux 6 (64 bit)