

NOUS41 KWBC 171813
PNSWSH

Technical Implementation Notice 12-49
National Weather Service Headquarters Washington DC
213 PM EDT Wed Oct 17 2012

To: Subscribers:
 -Family of Services
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPort
 Other NWS Partners, Users and Employees

From: Timothy McClung
 Chief, Science Plans Branch
 Office of Science and Technology

Subject: Modifications to NARRE Products: Effective November 20, 2012

Effective Tuesday, November 20, 2012, with the 1200 Coordinated Universal Time (UTC) cycle, the National Centers for Environmental Prediction (NCEP) will modify the output from the Time-Lagged North American Rapid Refresh Ensemble Forecast System (NARRE). The following changes will be made:

- The products will be encoded using Version 2 of gridded binary (GRIB) Table 2 to correct the label on the reflectivity grids from upward long wave radiative flux >30 (ULWRF) to the correct name: reflectivity > 30dBz (REFC).
- The vertical level ID in the gridded binary (GRIB) encoding (kpds6) of accumulated precipitation (APCP) in the probability files will be set to the correct value of 1. It is currently set to 255.
- An additional variable of a 1-inch (or 25.5-mm) threshold for the 3-hour and 6-hour accumulated precipitation probability will be added to the files based upon user's requests.

NARRE products are currently disseminated at the following locations:

<ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/rap/prod/narre.YYYYMMDD/ensprod>
<http://www.ftp.ncep.noaa.gov/data/nccf/com/rap/prod/narre.YYYYMMDD/ensprod>

A sample of NARRE datasets with the changes made is online at:

<ftp://ftp.emc.ncep.noaa.gov/mmb/bzhou/NARRE/20120726>

The Environmental Modeling Center (EMC) Mesoscale Modeling Branch (MMB) has a publicly available Website that can provide users more information concerning NCEP regional modeling systems at:

<http://www.emc.ncep.noaa.gov/mmb/mesoscale.html>

NCEP encourages users to ensure their decoders are flexible and are able to adequately handle changes in content, parameter fields changing order, changes in the scaling factor component within the Product Definition Section/Template of the GRIB files and any volume changes which may be forthcoming. These elements may change with future NCEP model implementations. NCEP will make every attempt to alert users to these changes prior to any implementations.

For questions regarding the scientific content of the modeling system, please contact:

Geoff Dimego
NCEP/EMC
College Park, MD
geoff.dimego@noaa.gov

or:

Binbin Zhou
NCEP/EMC
College Park, MD
binbin.zhou@noaa.gov

For questions regarding the dataflow aspects of these data sets, please contact:

NCEP/NCO Dataflow Team
College Park, MD
Phone: 301-683-0567
Email: ncep.list.pmb-dataflow@noaa.gov

National Technical Implementation Notices are online at:

<https://www.weather.gov/notification/archive>

\$\$
NNNN