

NOUS41 KWBC 221230
PNSWSH

Technical Implementation Notice 16-34
National Weather Service Headquarters Washington DC
830 AM EDT Wed Sep 22 2016

To: Subscribers:
-NOAA Weather Wire Service
-Emergency Managers Weather Information Network
-NOAAPORT
Other NWS Partners, Users and Employees

From: Eli Jacks
Chief, Forecast Services Division

Subject: Addition of grids for the 0.25 inch (~6 mm)
threshold of Experimental Day 4-7 Winter Weather
Outlook as an experimental element in the National
Digital Forecast Database (NDFD) for the CONUS
effective October 11, 2016

Effective October 11, 2016, at 1930 Coordinated Universal Time
(UTC), NWS will add grids for the 0.25 inch (~6 mm) threshold of
the Experimental Day 4-7 Winter Weather Outlook to the National
Digital Forecast Database (NDFD) as an experimental element for
the Continental United States.

The Experimental Day 4-7 Winter Weather Outlook, produced by the
NWS National Centers for Environmental Prediction (NCEP) Weather
Prediction Center (WPC), is a forecast depicting the probability
of winter precipitation (snow/sleet) exceeding 0.25 inches (~6
mm) water equivalent over a 24-hour period (Valid Time 12z-12z).

The product is comprised of 4 separate grids containing the
forecast for Days 4, 5, 6 and 7. The product is updated daily at
approximately 0900 UTC and 1930 UTC.

More details on the Experimental Day 4-7 Winter Weather Outlook
product, as well as its technical description and scientific
basis, are available in the Product Description Document:

[https://products.weather.gov/PDD/ExplDay4to7WinterWeatherOutlook
inNDFD.pdf](https://products.weather.gov/PDD/ExplDay4to7WinterWeatherOutlookinNDFD.pdf)

These experimental grids will be available from NDFD in the
following standard methods:

- Gridded Binary version 2 (GRIB2) files via Hypertext Transfer
Protocol (HTTP) and File Transfer Protocol (FTP)
- Extensible Markup Language (XML) via Simple Object Access
Protocol (SOAP)
- Graphics via Web browser

Users who pull NDFD elements in GRIB2 format, either via the Internet may need to update their procedures and scripts to access this new element.

The new file will be available for download at the following links effective October 11, 2016:

GRIB2 files:

<ftp://tgftp.nws.noaa.gov/SL.us008001/ST.expr/DF.gr2/DC.ndfd/AR.conus/VP.004-007/ds.p24less0025.bin>

<http://tgftp.nws.noaa.gov/SL.us008001/ST.expr/DF.gr2/DC.ndfd/AR.conus/VP.004-007/ds.p24less0025.bin>

Graphics and XML services for the experimental grids will become available within 30 days of the experimental release of the GRIB2 file into the NDFD.

NDFD online graphics:

<http://digital.weather.gov/>

XML SOAP service:

<http://preview.weather.gov/xml/>

Information on accessing and using NDFD elements is online at:

<http://ndfd.weather.gov/technical.htm>

Comments and feedback on these experimental elements are welcome through March 31, 2017 at:

GRIB2 users:

<http://www.weather.gov/survey/nws-survey.php?code=ndfd-grids>

Users of XML SOAP service:

<http://www.weather.gov/survey/nws-survey.php?code=xmlsoap>

NDFD online graphics:

<http://www.weather.gov/survey/nws-survey.php?code=gfp>

For general questions regarding NDFD data, please email:

nws.ndfd@noaa.gov

For technical questions regarding NDFD data please contact:

David Ruth

NWS/STI/Digital Forecast Services Branch

National Weather Service Headquarters

Silver Spring, Maryland 20910

301-427-9457

David.Ruth@noaa.gov

For questions regarding this notice, please contact:

James Nelson
NWS/WPC/Development and Training Branch
National Centers for Environmental Prediction
College Park, MD 20740
301-683-1493
James.A.Nelson@noaa.gov

Technical Implementation Notices (TIN) specifically related to the NDFD are online at:

<http://www.weather.gov/ndfd/tins.htm>

National TINs are online at:

<http://www.weather.gov/os/notif.htm>

NNNN