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Service Change Notice 24-20 Updated
National Weather Service Headquarters Silver Spring MD
1200 PM EDT Thu Apr 4 2024

To: Subscribers:
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 -Emergency Managers Weather Information Network
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From: Douglas C. Young, Chief
 Digital and Graphical Information Support Branch

Subject: Updated: Provision of Full-Resolution National Digital Forecast Database (NDFD) Data and Air Quality National Digital Guidance Database (NDGD) via Amazon Web Services (AWS) Transitioning to Operational Status on or about April 17, 2024

Updated for new implementation date of on or about April 17, 2024 for Provision of Full-Resolution National Digital Forecast Database (NDFD) Data Transitioning to Operational Status.

The provision of NDFD and Air Quality data via AWS will enable users to access all existing operational and experimental NDFD and Air Quality NDGD data at the finest temporal and spatial resolutions in GRIdded Binary data Edition 2 (GRIB2), image/display, and eXtensible Markup Language (XML) format.

Full resolution map images of NDFD will be available at the same graphical.weather.gov and digital.weather.gov URLs which show lower resolution images now. Some bookmarks that specify page options via the URL may need to be updated. NDFD XML data currently available at graphical.weather.gov/xml and digital.weather.gov/xml will be available at the same URLs, but with finer temporal and spatial resolution than is currently available operationally. No changes to the XML query strings should be required to access these data at full resolution.

URLs for the current full-resolution prototype sites (<https://digital.mdl.nws.noaa.gov>, <https://graphical.mdl.nws.noaa.gov>, and <https://digital.mdl.nws.noaa.gov/airquality>) will redirect to operational sites of <https://digital.weather.gov/>, <https://graphical.weather.gov/> and <https://airquality.weather.gov/>.

In addition, full-resolution NDFD element images can now be accessed via Web Map Services (WMS). Click on the NDFD Data link along the bottom of the map image to learn how to do this.

Further information on accessing and using NDFD is available online at:

<https://vlab.noaa.gov/web/mdl/ndfd>

A complete description of all NDFD data on AWS may be found at the following link:

https://nsdesk.servicenowservices.com/api/g_noa/nwspc/res2/f17554461bd84654b13387bae54bcble

And description of NDGD data at:

https://nsdesk.servicenowservices.com/api/g_noa/nwspc/res2/5ae1170dlbe48e10ee15a7dbe54bc9

For general questions regarding NDFD data, please email:
nws.ndfd@noaa.gov.

For technical questions regarding NDFD data, please contact:

David Ruth
Chief, Digital Forecast Services Division
NWS Meteorological Development Laboratory
Silver Spring, MD
david.ruth@noaa.gov

For technical questions regarding NDGD data, please contact:

Youngsun Jung
NWS OSTI Air Quality Program Manager
youngsun.jung@noaa.gov

For questions regarding this notice, please contact:

Brian Miretzky
NWS Digital and Graphical Information Support Branch
Silver Spring, MD
brian.miretzky@noaa.gov

Or:

Kimberly McMahon
NWS AFSO/FSD Public Services Program Manager
Silver Spring, MD
kimberly.mcmahon@noaa.gov

National Service Change Notices are online at:

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

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