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

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:

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For technical questions regarding NDGD data, please contact:

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For questions regarding this notice, please contact:

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National Service Change Notices are online at:

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

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