

NOUS41 KWBC 041600 AAB  
PNSWSH

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

For general questions regarding NDFD data, please email:  
[nws.ndfd@noaa.gov](mailto: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](mailto:david.ruth@noaa.gov)

For technical questions regarding NDGD data, please contact:

Youngsun Jung  
NWS OSTI Air Quality Program Manager  
[youngsun.jung@noaa.gov](mailto: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](mailto:brian.miretzky@noaa.gov)

Or:

Kimberly McMahon  
NWS AFSO/FSD Public Services Program Manager  
Silver Spring, MD  
[kimberly.mcmahon@noaa.gov](mailto:kimberly.mcmahon@noaa.gov)

National Service Change Notices are online at:

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

NNNN