

NOUS41 KWBC 201310 AAA
PNSWSH

Service Change Notice 25-17 Updated
National Weather Service Headquarters Silver Spring MD
810 AM EST Thu Feb 20 2025

To: Subscribers:
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 -Emergency Managers Weather Information Network
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From: C. Bruce Entwistle, Chief
 Aviation and Space Weather Services Branch

Subject: Updated: Ceiling, Visibility, and Low Level Wind Shear (LLWS)
Grids in NDFD will transition to Operational Status on March 17, 2025

Updated to:

- Correct forecast valid period from 306 hours to 36 hours.
- Clarify the LLWS Direction and LLWS Speed grids are derived from one LLWS grid produced by weather forecast offices.

The National Weather Service (NWS) will transition the experimental Ceiling, Visibility, and LLWS grids in the National Digital Forecast Database (NDFD) over the conterminous United States (CONUS), and Puerto Rico to operational status on March 17, 2025. The Ceiling, Visibility, and LLWS grids are a forecast depicting the hourly data from 1-36 hours. The products consist of five separate grids that update every 30 minutes. Local weather forecast offices produce Ceiling, Visibility, LLWS Height, and LLWS grids that are transmitted to NDFD for display of the following:

- Ceiling
- Visibility
- Low Level Wind Shear Height
- Low Level Wind Shear Direction
- Low Level Wind Shear Speed

The operational grids will be available for download in Gridded Binary Version Two (GRIB2) format via both <https://> and <ftp://> from the NWS Telecommunications Gateway FTP (TGFTP) server.

For CONUS:

tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.conus/VP.001-003/ds.cig.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.conus/VP.001-003/ds.vis.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.conus/VP.001-003/ds.llwshgt.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.conus/VP.001-003/ds.llwsdir.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.conus/VP.001-003/ds.llwsspd.bin

For Puerto Rico:

tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.cig.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.vis.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.llwshgt.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.llwsdir.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.llwspd.bin

In addition, the following 10 grids for Puerto Rico will be available at hourly resolution out to 36 hours:

tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.apr.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.td.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.rhm.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.sky.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.temp.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.waveh.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.wx.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.wdir.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.wgust.bin
tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndfd/AR.puertori/VP.001-003/ds.wspd.bin

Visualization of these data will be available at:

<https://digital.weather.gov>

For additional information, please see the Product Description Document (PDD) at:

https://nsdesk.servicenowservices.com/api/g_noa/nwspc/res2/d24dd5651b169a540d690f67624bcbea

For additional comments/questions, please contact:

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National Service Change Notices are online at:

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

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