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Public Information Statement 22-29  
National Weather Service Headquarters Silver Spring MD  
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To:           Subscribers:  
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From:         C. Bruce Entwistle  
              Chief, Aviation and Space Weather Services Branch

Subject: Soliciting Comments on the Experimental Implementation of  
Ceiling, Visibility and Low Level Wind Shear (LLWS) Grids in NDFD from May  
23, 2022 through May 23, 2023

The National Weather Service (NWS) is soliciting comments on the  
experimental Ceiling, Visibility, and LLWS grids in the National Digital  
Forecast Database (NDFD) over the conterminous United States (CONUS), and  
Puerto Rico from May 23, 2022 through May 23, 2023. The experimental  
Ceiling, Visibility and LLWS grids are a forecast depicting the hourly  
data from 1-30 hours. The products consist of five separate grids that  
update every 30 minutes.

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

The experimental grids will be available for download in GRIB2 format via  
both https: and ftp: from the NWS Telecommunications Gateway FTP (TGFTP)  
server.

For CONUS:

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

For Puerto Rico:

tgftp.nws.noaa.gov/SL.us008001/ST.expr/DF.gr2/DC.ndfd/AR.puertori/VP.001-  
003/ds.cig.bin

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

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

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

Visualization of these data will be available on an experimental NDFD map viewer at:

<https://digital.mdl.nws.noaa.gov>

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

[https://nws.weather.gov/products/PDD/PDD\\_ExpCeiling\\_Visibility\\_LLWS\\_NDFD\\_2022.pdf](https://nws.weather.gov/products/PDD/PDD_ExpCeiling_Visibility_LLWS_NDFD_2022.pdf)

Users are encouraged to provide feedback on this experimental Product through the NWS survey at:

<https://www.surveymonkey.com/r/ExpCigVisLLWSGrids>

For additional comments/questions, please contact:

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National Public Information Statements are online at:

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

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