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Public Information Statement 22-29
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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

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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