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PNSWSH

Public Information Statement 20-17
National Weather Service Headquarters Silver Spring MD
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 -Emergency Managers Weather Information Network
 -NOAAPort
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From: Jason Levit
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 NCEP/Environmental Modeling Center

Subject: Soliciting Public Comments on the Removal of Products from the
Global Forecast System (GFS) through April 30, 2020

The National Centers for Environmental Prediction (NCEP) is soliciting
comments on the removal of certain products from the Global Forecast
System (GFS) through April 30, 2020.

These changes are proposed to occur when the next version of the GFS,
version 16, is implemented into operations, tentatively scheduled for
February 2021.

The following products will be removed from NCEP Web Services, including
NOAA Operational Model Archive and Distribution System (NOMADS) "grib
filter," OpenDAP, FTP, TGFTP and Satellite Broadcast Network
(SBN)/NOAAPort:

For FTP, NOMADS and OpenDAP, the following will be changed:

<ftp://ftp.ncep.noaa.gov/data/nccf/com/gfs/prod>
<https://nomads.ncep.noaa.gov/pub/data/nccf/com/gfs/prod>

Parameters 5-wave height (5WAVH) and filtered Shuell SLP (PRMSL) will be
removed from:

gdas.YYYYMMDD/CC/gdas.tCCz.pgrb2.0p25.f*
gdas.YYYYMMDD/CC/gdas.tCCz.pgrb2.1p00.f*
gfs.YYYYMMDD/CC/gfs.tCCz.pgrb2.0p25.f*
gfs.YYYYMMDD/CC/gfs.tCCz.pgrb2.0p50.f*
gfs.YYYYMMDD/CC/gfs.tCCz.pgrb2.1p00.f*

Lifted Index (LFTX) parameter will be removed from:

gdas.YYYYMMDD/CC/gdas.tCCz.sfluxgrbf*
gfs.YYYYMMDD/CC/gfs.tCCz.sfluxgrbf*

Where YYYYMMDD is the initialization year, month and day, and CC is the
model cycle (00, 06, 12, and 18 Coordinated Universal Time (UTC)).

The gfs.tCCz.goessimpgrb2.1p00.f* files and simulated Geostationary Orbiting Environmental Satellite (GOES)-12 and 13 products in gfs.tCCz.goessimpgrb2f* will be replaced by new simulated GOES-16 and 17 products to be implemented with GFS version 16. The 5-wave height and filtered Shuell Sea Level Pressure products are legacy products that were heavily filtered to smooth out terrain noise, but have caused confusion due to their inconsistency with corresponding wind fields. Therefore, EMC will remove 5-wave height products while replacing filtered Shuell Sea Level Pressure with the unfiltered one with the same variable name (PRMSL). The Lifted Index product can be found in commonly used corresponding gdas and gfs pressure gridded binary (GRIB) files.

U and V winds and temperature in legacy bulletin format will be removed for select levels based on an existing agreement with the NOAA Aviation Weather Center (see link below for headers).

The 5-wave height (5WAVH) legacy variable will be removed from Advanced Weather Interactive Processing System (AWIPS) products 20km grids (contiguous U.S. (CONUS), Alaska, Puerto Rico, Pacific region) and LAT/LON 1.0 degree grid (see link below for headers).

All World Meteorological Organization (WMO) headers proposed for removal are listed here:

https://www.nco.ncep.noaa.gov/pmb/changes/gfsv16_removal_grids.shtml

Send comments on this proposal to:

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For questions on the data flow aspects, please contact:

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National Public Information Statements are online at:

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

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