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PNSWSH

Service Change Notice 24-65
National Weather Service Headquarters Silver Spring MD
120 PM EDT Fri Jun 14 2024

To: Subscribers:
           -NOAA Weather Wire Service
           -Emergency Managers Weather Information Network
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From: Mike Farrar, Director
           National Centers for Environmental Prediction

Subject: Upgrade NCEP Global Forecast System to v16.3.16,
         Effective June 26, 2024

Effective June 26, 2024, beginning with the 1200 Coordinated Universal
Time (UTC) run, the National Centers for Environmental Prediction (NCEP)
will upgrade the Global Forecast System (GFS) from version 16.3.15 to
16.3.16.

This GFS upgrade adds a new job, gdaswdqms, in the GFS Data Assimilation
System (GDAS). It generates 6-hourly summaries of observation reports,
which contain information on time, location, station identification,
quality flag, and background departure statistics (innovations) from GDAS
analysis for radiosonde, surface data over land, and marine data. The
objective of this new job is to support the World Meteorological
Organization (WMO) Integrated Global Observing System (WIGOS), WDQMS
(WIGOS Data Quality Monitoring System) project and ensure that WMO
observational data and products are reliable and correspond to agreed-upon
needs.

The addition of GDAS WDQMS processing does not impact GFS scientific
results and existing products. It adds the following three WDQMS products
in Comma-separated Values (CSV) format for each 6-hourly analysis cycle
(HH):

gdas.tHHz.temp.csv
gdas.tHHz.synop.csv
gdas.tHHz.marine.csv

The WDQMS products will be available on the NOAA Operational Model Archive
and Distribution System (NOMADS) and FTPPRD web services at the following
locations:

https://nomads.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gdas.YYYYMMDD/HH/atmos/wdqms
https://ftp.ncep.noaa.gov/data/nccf/com/gfs/v16.3/gdas.YYYMMDD/HH/atmos/wdqms
ftp://ftp.ncep.noaa.gov/data/nccf/com/gfs/v16.3/gdas.YYYMMDD/HH/atmos/wdqms

Please submit comments, questions, or requests on the proposed upgrade to:

Daryl Kleist, Chief
Data Assimilation Division
Modeling and Data Assimilation Branch
NWS/NCEP/Environmental Modeling Center
Email: daryl.kleist@noaa.gov

For questions regarding the data flow, please contact:

Tony Salemi
NCEP Central Operations HPC Dataflow Team Lead (Acting)
College Park, MD
ncep.pmb.dataflow@noaa.gov

National Service Change Notices are online at:

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

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