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PNSWSH

Service Change Notice 24-65 Updated
National Weather Service Headquarters Silver Spring MD
1220 PM EDT Thu Jun 27 2024

To: Subscribers:
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From: Mike Farrar, Director
           National Centers for Environmental Prediction

Subject: Updated: Upgrade NCEP Global Forecast System to v16.3.16:
Effective July 2, 2024

Updated to change implementation date from June 26, 2024 to July 2, 2024.

Effective on or about July 2, 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, 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/w
dqms

ftp://ftp.ncep.noaa.gov/data/nccf/com/gfs/v16.3/gdas.YYYMMDD/HH/atmos/wdqms

Please submit comments, questions, or requests on this upgrade to:

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For questions regarding the data flow, please contact:

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National Service Change Notices are online at:

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

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