

NOUS41 KWBC 121850
PNSWSH

Service Change Notice 21-28
National Weather Service Headquarters Silver Spring MD
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To: Subscribers
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPort
 Other NWS Partners, Users and Employees

From: Daryl Kleist
 Chief, Data Assimilation and Quality Control Group
 Modeling and Data Assimilation Branch

Subject: NAM, GFS and GDAS Satellite Output Filename Change Due
 to Addition of Commercial Satellite Data
 Effective April 13, 2021

Effective April 13, 2021, the NWS will deploy an upgrade to the observation processing for Global Positioning Satellite Radio Occultation (GPS-RO) data. This upgrade includes the following:

- Commercial GPS-RO data will be populating the gpsro BUFR dump files for the following models: Global Forecast System (GFS), Global Data Assimilation System (GDAS), North American Model (NAM), Rapid Refresh (RAP), and Climate Data Assimilation System (CDAS).
- Because these commercial GPS-RO data are restricted, a new non-restricted gpsro BUFR dump file will be generated for all above named networks.
- The current GFS, GDAS, and NAM gpsro BUFR dump files will no longer be available on NCEP web services (NOMADS & ftpprd).
- New GFS, GDAS, and NAM non-restricted gpsro BUFR dump files will be available on NCEP web services (NOMADS & ftpprd).

New Files

With this upgrade, the following data types will be available on NCEP web services:

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

<https://nomads.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gdas.YYYMMDD/CC/atmos>

<ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gfs.YYYYMMDD/CC/atmos>

<ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gdas.YYYYMMDD/CC/atmos>

gfs.tCCz.gpsro.tm00.bufr_d.nr
gdas.tCCz.gpsro.tm00.bufr_d.nr

<https://nomads.ncep.noaa.gov/pub/data/nccf/com/nam/prod/nam.YYYYMMDD>

<ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/nam/prod/nam.YYYYMMDD>

nam.tCCz.gpsro.tm*.bufr_d.nr

Discontinued Files

With this upgrade, the following data types will be discontinued on NCEP web services:

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

<https://nomads.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gdas.YYYMMDD/CC/atmos>

<ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gfs.YYYYMMDD/CC/atmos>

<ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/gdas.YYYYMMDD/CC/atmos>

gfs.tCCz.gpsro.tm00.bufr_d
gdas.tCCz.gpsro.tm00.bufr_d

<https://nomads.ncep.noaa.gov/pub/data/nccf/com/nam/prod/nam.YYYYMMDD>

<ftp://ftpprd.ncep.noaa.gov/pub/data/nccf/com/nam/prod/nam.YYYYMMDD>

nam.tCCz.gpsro.tm*.bufr_d

NCEP encourages users to ensure their scripting is flexible to adequately handle changes in filename for the gpsro BUFR dump files. Content within the files will remain unchanged.

Please direct questions, comments or requests regarding this implementation to the contacts below. We will review any feedback and decide whether to proceed.

For any comments/feedback on the GPS-RO BUFR dump file upgrade at EMC, please contact:

Dr. Daryl Kleist
Chief, Data Assimilation and Quality Control Group
NCEP Environmental Modeling Center
College Park, MD 20740
Email: daryl.kleist@noaa.gov

For questions regarding the data flow aspects, please contact:

Anne Myckow
NCEP Central Operations Dataflow Team
ncep.pmb.dataflow@noaa.gov

NWS Service Change Notices are online at:
<https://www.weather.gov/notification>

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