

NOUS41 KWBC 121850
PNSWSH

Service Change Notice 21-28
National Weather Service Headquarters Silver Spring MD
250 PM EDT Fri Mar 12 2021

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 gspro Binary Universal
Form for the Representation of meteorological data (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 gspro BUFR dump file will be generated for all above named
networks.

- The current GFS, GDAS, and NAM gspro BUFR dump files will no longer be
available on NCEP web services (NOAA Operational Model Archive and
Distribution System (NOMADS) and ftpprd).

- New GFS, GDAS, and NAM non-restricted gspro BUFR dump files will be
available on NCEP web services (NOMADS and ftpprd).

New Files:

With this upgrade, the following data types will be available on National
Centers for Environmental Prediction (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.YYYYMMDD/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.YYYYMMDD/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 the Environmental Modeling Center (EMC), please contact:

Dr. Daryl Kleist
Chief, Data Assimilation and Quality Control Group
NCEP Environmental Modeling Center
College Park, MD
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

National Service Change Notices are online at:

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

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