

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](mailto: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](mailto:ncep.pmb.dataflow@noaa.gov)

National Service Change Notices are online at:

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

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