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Technical Implementation Notice 13-33  
National Weather Service Headquarters Washington DC  
1250 PM EDT Thu Oct 17 2013

To:           Subscribers:  
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From:         Timothy McClung  
              Chief, Science Plans Brach  
              Office of Science and Technology

Subject: Add Fields to GFS WAFS Upper Air Files: Effective November 13, 2013

On or about Wednesday, November 13, 2013, with the 1200 Coordinated Universal Time (UTC) model cycle, the National Centers for Environmental Prediction (NCEP) will add new parameters for four flight levels to the Global Forecast System (GFS)-based World Area Forecast System (WAFS) Upper Air data set available on the NCEP server.

Data will be added for:

FL80 (Flight Level 8,000 feet)  
FL210 (Flight Level 21,000 feet)  
FL410 (Flight Level 41,000 feet)  
FL490 (Flight Level 49,000 feet)

Temperature, geopotential height, and u and v component of the wind will be added for all levels. Relative Humidity will be added for FL80 and FL210 only.

These fields will be available on the NCEP server at:

<http://www.ftp.ncep.noaa.gov/data/nccf/com/gfs/prod/>  
<ftp://ftp.ncep.noaa.gov/pub/data/nccf/com/gfs/prod/>

in files with names gfs.tXXz.wafs\_grb45fYY.grib2, where XX is the model cycle, and YY the forecast hour.

Sample files with the new fields are available at:

<ftp://ftp.ncep.noaa.gov/pub/data1/nccf/com/wafs>

For questions regarding these changes, please contact:

John Derber  
NCEP/Environmental Modeling Center  
College Park, MD  
Phone: 301-683-3662  
[john.derber@noaa.gov](mailto:john.derber@noaa.gov)

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

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