

NOUS41 KWBC 071930  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-17  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
230 PM EST WED MAR 7 2007

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS  
NOAA WEATHER WIRE SERVICE /NWS/ SUBSCRIBERS  
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/  
SUBSCRIBERS  
NOAAPORT SUBSCRIBERS  
OTHER NWS PARTNERS...USERS AND EMPLOYEES

FROM: PAUL HIRSCHBERG  
CHIEF...SCIENCE PLANS BRANCH  
OFFICE OF SCIENCE AND TECHNOLOGY

SUBJECT: NCEP GLOBAL FORECAST SYSTEM BUFR FORMAT SOUNDING PRODUCTS TO BE  
ADDED TO NOAAPORT: EFFECTIVE JUNE 5 2007

EFFECTIVE TUESDAY JUNE 5 2007...BEGINNING WITH THE 1200 COORDINATED  
UNIVERSAL TIME /UTC/ RUN...THE NATIONAL CENTERS FOR ENVIRONMENTAL  
PREDICTION /NCEP/ WILL BEGIN TO DISSEMINATE ITS GLOBAL FORECAST SYSTEM  
/GFS/ BINARY UNIVERSAL FORM FOR THE REPRESENTATION OF METEOROLOGICAL DATA  
/BUFR/ FORMAT SOUNDING PRODUCTS FOR TRANSMISSION ON NOAAPORT. THESE BUFR  
SOUNDING PRODUCTS WILL BE PRODUCED IN 3-HOUR FORECAST INCREMENTS FROM  
FORECAST HOUR 00 TO 180. THESE WILL BE DISSEMINATED FOUR TIMES PER DAY  
FOR EACH OF THE GFS MODEL CYCLES /00...06...12 AND 18 UTC/. WORLD  
METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS AND GEOGRAPHICAL DOMAINS FOR  
THESE PRODUCTS ARE LISTED IN TABLE 1.

TABLE 1: GEOGRAPHICAL DOMAINS

WMO HEADING	GEOGRAPHICAL DOMAIN
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JUSA41 KWBC	SOUTHEAST CONTIGUOUS U.S. /CONUS/ AND PUERTO RICO
JUSA42 KWBC	NORTHEAST CONUS AND SOUTHEAST CANADA
JUSB43 KWBC	SOUTH CENTRAL CONUS AND NORTHEAST MEXICO
JUSB44 KWBC	NORTH CENTRAL CONUS AND SOUTH CENTRAL CANADA
JUSB45 KWBC	SOUTHWEST CONUS AND NORTHWEST MEXICO
JUSB46 KWBC	NORTHWEST CONUS AND SOUTHWEST CANADA
JUSX47 KWBC	HAWAII REGION
JUSX48 KWBC	WESTERN PACIFIC OCEAN INCLUDING GUAM
JUSX49 KWBC	ALASKA...NORTHWEST CANADA AND EAST RUSSIA

THE AVERAGE SIZE OF THESE PRODUCTS PER MODEL CYCLE...BROKEN OUT BY WMO  
HEADING...ARE LISTED IN TABLE 2.

TABLE 2: AVERAGE SIZE PER MODEL CYCLE

WMO HEADING	AVERAGE SIZE PER MODEL CYCLE
JUSA41 KWBC	9 MEGABYTES
JUSA42 KWBC	12 MEGABYTES
JUSB43 KWBC	7 MEGABYTES
JUSB44 KWBC	8 MEGABYTES
JUSB45 KWBC	6 MEGABYTES
JUSB46 KWBC	5 MEGABYTES
JUSX47 KWBC	0.5 MEGABYTES
JUSX48 KWBC	0.5 MEGABYTES
JUSX49 KWBC	5 MEGABYTES

A DESCRIPTION OF THE PARAMETERS CONTAINED WITHIN THESE FILES CAN BE OBTAINED ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.NCO.NCEP.NOAA.GOV/PMB/CHANGES/BUFR\\_GFS3\\_CLASS1.TBL](http://www.nco.ncep.noaa.gov/pmb/changes/bufr_gfs3_class1.tbl)

IF YOU HAVE ANY QUESTIONS CONCERNING THE NOAAPORT ACTIVATION OF THESE PRODUCTS...PLEASE CONTACT:

BRIAN GOCKEL  
OFFICE OF SCIENCE AND TECHNOLOGY/SYSTEMS ENGINEERING CENTER  
SILVER SPRING MARYLAND  
PHONE: 301-713-0304 X 158  
EMAIL: [BRIAN.GOCKEL@NOAA.GOV](mailto:BRIAN.GOCKEL@NOAA.GOV)

IF YOU HAVE ANY QUESTIONS CONCERNING THE TECHNICAL DETAILS OF THE PRODUCT OR ITS GENERATION...PLEASE CONTACT:

BRENT GORDON  
NCEP...PRODUCTION MANAGEMENT BRANCH  
CAMP SPRINGS MARYLAND  
PHONE: 301-763-8000 X 7193  
EMAIL: [BRENT.GORDON@NOAA.GOV](mailto:BRENT.GORDON@NOAA.GOV)

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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