

NOUS41 KWBC 121550
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 08-92
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1050 AM EST WED NOV 12 2008

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

FROM: JASON TUELL
CHIEF...SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY

SUBJECT: ADDITION OF NCEP NAM-BASED OCONUS-AREA DNG GRIDS TO NOAAPORT:
EFFECTIVE JANUARY 28 2009

EFFECTIVE WEDNESDAY JANUARY 28 2009...WITH THE 1200 COORDINATED UNIVERSAL TIME /UTC/ DISTRIBUTION...NEW NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION /NCEP/ DOWNSCALED NUMERICAL GUIDANCE /DNG/ PRODUCTS...BASED ON THE NORTH AMERICAN MESOSCALE /NAM/ MODEL...WILL BE ADDED TO THE NOAAPORT TG2 CHANNEL. THESE NEW PRODUCTS CONSIST OF A SET OF SENSIBLE HYDROMETEOROLOGICAL PARAMETERS. THE PRODUCTS COVER THREE OUTSIDE THE CONTIGUOUS U.S. /OCONUS/ AREAS: ALASKA...HAWAII AND PUERTO RICO. THE PRODUCT FORMAT IS GRIDDED BINARY VERSION TWO /GRIB2/.

THE DNG PRODUCT SET CONSISTS OF SEVERAL SENSIBLE HYDROMETEOROLOGICAL ELEMENTS AT 3-HOUR FORECAST INTERVALS FROM 00 TO 84 HOURS. THERE WILL BE FOUR PRODUCT DISTRIBUTIONS PER DAY CORRESPONDING TO THE 00...06...12 AND 18 UTC NAM MODEL RUNS.

THE DNG HYDROMETEOROLOGICAL ELEMENTS ARE:

- SURFACE TEMPERATURE AND DEW POINT TEMPERATURE
- 3- AND 12-HOUR MAXIMUM AND MINIMUM TEMPERATURE
- 3- AND 12-HOUR MAXIMUM AND MINIMUM RELATIVE HUMIDITY
- TRANSPORT WIND SPEED AND DIRECTION...AND WIND GUST SPEED
- U AND V COMPONENTS OF SURFACE WIND
- CLOUD COVER
- 3-...6- AND 12-HOUR PROBABILITY OF PRECIPITATION
- 3-...6- AND 12 HOUR QUANTITATIVE PRECIPITATION FORECAST
- 3- AND 6-HOUR SNOWFALL DEPTH
- WET BULB ZERO HEIGHT /SNOW LEVEL HEIGHT/
- PLANETARY BOUNDARY LAYER HEIGHT /MIXING HEIGHT/
- VISIBILITY

THE PER CYCLE DATA VOLUME WILL BE APPROXIMATELY 75 MEGABYTES /MB/ OR APPROXIMATELY 300 MB PER DAY.

THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS FOR THESE PRODUCTS WILL BE OF THE GENERAL FORM:

T1: DATA FORMAT OF GRIB2 /L OR M/
T2: PARAMETER CODE /ONE OF ADEHKRSTUV/
A1: GRID CODE /A FOR ALASKA...H FOR HAWAII AND C FOR PUERTO RICO/
A2: FORECAST TIME /ONE OF ABCDEFGHIJKL FOR T1=L OR
BEHKLMNOPQRSTZ FOR T1 = M/
II: LAYER OR LEVEL /98 FOR SURFACE OR 86 FOR HEIGHT OF BOUNDARY LAYER
OR 00 HEIGHT /WHERE WET BULB TEMPERATURE IS ZERO/
CCCC: KWBE

FOR A COMPLETE LISTING OF ALL DNG WMO HEADINGS...PLEASE REFER TO THE FOLLOWING WEBPAGE /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/OS/NOTIFICATION/RESOURCES/DNG WMO.PDF](http://www.weather.gov/os/notification/resources/dng_wmo.pdf)

FOR QUESTIONS CONCERNING THE TECHNICAL DETAILS OF THESE PRODUCTS...PLEASE CONTACT:

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OR

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FOR QUESTIONS CONCERNING THE NOAAPORT ACTIVATION AND DISSEMINATION OF THESE PRODUCTS...PLEASE CONTACT:

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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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