

NOUS41 KWBC 121551
PNSWSH

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

TO: SUBSCRIBERS:
-FAMILY OF SERVICES
-NOAAPORT
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
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 OFF-CONUS AREAS:
ALASKA...HAWAII AND PUERTO RICO. THE PRODUCT FORMAT IS GRIB2.

THE DNG PRODUCT SET CONSISTS OF SEVERAL SENSIBLE
HYDROMETEOROLOGICAL ELEMENTS AT 3 HOUR FORECAST INTERVALS
FROM 00 TO 84 HOURS. THERE WILL BE 4 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 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 WEB PAGE /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:

GEOFF MANIKIN
NCEP/EMC...MESOSCALE MODELING BRANCH
CAMP SPRINGS MARYLAND
301-763-8000 EXT 7263
GEOFFREY.MANIKIN@NOAA.GOV

OR
JEFF WALDSTREICHER
NWS EASTERN REGION SCIENTIFIC SERVICES DIVISION
BOHEMIA NEW YORK
631-244-0131
JEFF.WALDSTREICHER@NOAA.GOV

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

BRIAN GOCKEL
NWS...OFFICE OF SCIENCE AND TECHNOLOGY
SILVER SPRING MARYLAND
301-713-0304 EXT 158
BRIAN.GOCKEL@NOAA.GOV

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

[HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM](http://www.weather.gov/os/notif.htm)

\$\$
NNNN