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TECHNICAL IMPLEMENTATION NOTICE 09-42
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
150 PM EDT WED NOV 25 2009

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

FROM: JORDAN ALPERT...ENVIRONMENTAL MODELING CENTER
RICK HACKENBERG...NCEP CENTRAL OPERATIONS

SUBJECT: REMINDER: OPERATIONAL IMPLEMENTATION ON FEBRUARY 14 2009 OF HIGH AVAILABILITY APPLICATIONS FOR SERVING DATA FROM THE NOAA OPERATIONAL MODEL ARCHIVE DISTRIBUTION SYSTEM /NOMADS/ AT THE WEB OPERATIONS CENTER /WOC/

THIS TECHNICAL IMPLEMENTATION NOTICE /TIN/ IS BEING REISSUED TO REMIND USERS OF THE AVAILABILITY OF THE NCEP NOMADS SERVER AT /USE LOWER CASE/:

[HTTP://NOMADS.NCEP.NOAA.GOV/](http://nomads.ncep.noaa.gov/)

ON FRIDAY FEBRUARY 14 2009...THE NWS NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION /NCEP/ WILL START PROVIDING HIGH AVAILABILITY NOAA OPERATIONAL MODEL ARCHIVE AND DISTRIBUTION SYSTEM /NOMADS/ APPLICATIONS FOR SERVING MODEL DATA ON THE WOC SERVER.

NOMADS IS AN IMPORTANT COMPONENT OF NOAA/S INFORMATION DATA BASE. NOMADS BEGAN AS A PILOT PROJECT DESIGNED TO PROVIDE A SERVICE ORIENTED FRAMEWORK FOR:

- A DIGITAL ARCHIVE AND REAL TIME DISTRIBUTION OF NOAA/S OPERATIONAL WEATHER MODELS.
- AN INNOVATIVE DATA ACCESS PHILOSOPHY TO PROMOTE INTEROPERABLE ACCESS ACROSS THE GEOSCIENCES.
- AN INTEGRATOR OF COMMON WEB SERVICES INFRASTRUCTURE TO SUPPORT THE DISCOVERY...ACCESS AND TRANSPORT OF DATA REAL-TIME AND RETROSPECTIVE FORMAT INDEPENDENT ACCESS TO CLIMATE...OCEAN AND WEATHER MODEL DATA.

NWS RECEIVED FAVORABLE COMMENTS ON THE PROPOSAL TO PROVIDE HIGH AVAILABILITY NOMADS APPLICATIONS FOR SERVING MODEL DATA ON THE WOC SERVER. NCEP WILL INTRODUCE THE FOLLOWING NOMADS WEB BASED ACCESS APPLICATIONS:

1. GRIB_FILTER: PROVIDES ACCESS TO GRIDDED BINARY /GRIB/ DATA WITH SUB-SETTING THROUGH TIME...SPACE AND VARIABLES USING TRADITIONAL BUT ENHANCED FILE TRANSFER PROTOCOL /FTP/ PROCESSES. DATA ARE PROVIDED IN RAW GRIB FORMAT ONLINE AND RESULTS ARE REPACKAGED GRIB FILES STREAMED TO THE USER/S WORKSTATION. WEB INTERFACES COMMUNICATE THE USERS REQUEST AND HTTP PROTOCOL IS USED TO DELIVER RESULTS.

2. OPENDAP /GDS/DODS/ SERVER: THE OPEN SOURCE PROJECT FOR A NETWORK DATA ACCESS PROTOCOL /OPENDAP/ IMPLEMENTED UNDER THE GRADS DATA SERVER /GDS/ DISTRIBUTED OCEAN DATA SYSTEM /DODS/ PROVIDES SIMPLE FILE-LEVEL ACCESS/DOWNLOAD VALUES OF ENTIRE FILES OR ONE OR MORE VALUES FROM THE MATRIX OF SERVER GRIB DATA HOLDINGS.

THESE CHANGES ARE MADE TO ADDRESS A GROWING NEED FOR REMOTE ACCESS TO HIGH VOLUME NWP MODEL DATA. A MORE DETAILED DESCRIPTION OF THESE CHANGES IS ONLINE AT /USE LOWER CASE/:

[HTTP://NOMADS.NCEP.NOAA.GOV/](http://nomads.ncep.noaa.gov/)

AND VIA SERVICE DESCRIPTION DOCUMENT UNDER THE HEADING SERVICE DOCUMENT AT THE ABOVE WEBSITE.

FOR QUESTIONS ON NOMADS...PLEASE CONTACT:

NCEP NOMADS HIGH AVAILABILITY TECHNICAL SUPPORT
NCEP NCO PMB HELPDESK
EMAIL: NCEP.LIST.PMB-DATAFLOW@NOAA.GOV

SCIENCE/DATA QUESTIONS:

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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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