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PUBLIC INFORMATION STATEMENT...TECHNICAL INFORMATION NOTICE 00-04
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1115 AM EST THU JAN 27 2000

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS
NOAA WEATHER WIRE SERVICE /NWS/ AND EMWIN SUBSCRIBERS
OTHER NWS CUSTOMERS...PARTNERS AND EMPLOYEES

FROM: LEROY SPAYD
CHIEF...SCIENCE AND TRAINING CORE

SUBJECT: CHANGES TO THE NCEP GLOBAL ANALYSIS/FORECAST SYSTEM...EFFECTIVE
JAN 24 2000

BEGINNING WITH THE 1200 COORDINATED UNIVERSAL TIME /UTC/ GLOBAL MODEL RUN
ON JANUARY 24 2000...THE HORIZONTAL AND VERTICAL RESOLUTIONS OF THE
AVIATION /AVN/ AND MEDIUM RANGE FORECAST /MRF/ MODELS HAVE INCREASED. THE
T170 AND 42 LAYER RESOLUTIONS REPLACE T126 AND 28 LAYERS /USED SINCE
OCTOBER 1998/. THIS REPRESENTS AN APPROXIMATE INCREASE IN HORIZONTAL
RESOLUTION FROM 105 KM TO 75 KM. THE MRF FORECAST SYSTEM CONSISTS OF A
T170L42 FORECAST TO 168 HOURS...AND T62L28 THEREAFTER. TESTING SHOWS A
POSITIVE IMPACT ON JET STREAM WINDS AND ON STRUCTURE AND SPEED OF STORMS
IN THE WINTER HEMISPHERE.

DETAILS ARE FOUND IN TECHNICAL PROCEDURES BULLETIN 452 TO BE FOUND AT /USE
LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/OM/TPBPR.HTM](http://www.nws.noaa.gov/om/tpbpr.htm)

IF YOU HAVE ANY QUESTIONS...PLEASE CONTACT:

KEN CAMPANA
ENVIRONMENTAL MODELING CENTER
GLOBAL MODELING BRANCH W/NP23
NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION
CAMP SPRINGS MARYLAND
WEBPAGE: [HTTP://WWW.EMC.NCEP.NOAA.GOV/](http://www.emc.ncep.noaa.gov/) /USE LOWER CASE/

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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