

NOUS41 KWBC 111425
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 05-18
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1000 AM EST FRI MAR 11 2005

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

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

SUBJECT: ADDITIONAL GLOBAL FORECAST SYSTEM DATA AVAILABLE...
EFFECTIVE MARCH 15 2005

EFFECTIVE MARCH 15 2005 BEGINNING AT THE 1200 COORDINATED
UNIVERSAL TIME /UTC/ RUN...THE NATIONAL CENTERS FOR ENVIRONMENTAL
PREDICTION /NCEP/ ENVIRONMENTAL MODELING CENTER /EMC/ WILL BEGIN
PROVIDING GLOBAL FORECAST SYSTEM /GFS/ MODEL DATA AT 20
ADDITIONAL FORECAST INTERVALS FROM 126 TO 240 HOURS. SEE TABLE 1
FOR A LIST OF THE SPECIFIC PROJECTIONS BEING ADDED.

THESE ADDITIONAL PROJECTIONS ARE NEEDED TO CORRECT A DATA
DEFICIENCY WITHIN AWIPS CRITICAL TO NWS FORECAST OPERATIONS. THE
URGENT OPERATIONAL NEED FOR THESE DATA IS THE REASON FOR THE SHORT
ADVANCE LEAD TIME ASSOCIATED WITH THIS CHANGE. AWIPS USERS WILL
BE ABLE TO USE THIS DATA IMMEDIATELY UPON RECEIPT. EXTERNAL
CUSTOMERS AND PARTNERS CAN MAKE THE NECESSARY CHANGES TO PROCESS
THE ADDITIONAL PROJECTIONS AT THEIR CONVENIENCE.

GRIDDED DATA WILL BE AVAILABLE FOR THE CONTIGUOUS UNITED STATES
ON GRID 211 FOR THE FOLLOWING PARAMETERS FOR THE NEW PROJECTIONS
/SEE TABLE 1/:

SURFACE PRESSURE
500 MB ABSOLUTE VORTICITY
LAYER RELATIVE HUMIDITY /0.44-1.00 SIGMA LEVEL/
850 MB VERTICAL VELOCITY
700 MB VERTICAL VELOCITY
500 MB VERTICAL VELOCITY

THESE PRODUCTS WILL BE AVAILABLE ON AWIPS/NOAAPORT DAILY FROM THE
0000...0600...1200...AND 1800 UTC GFS MODEL RUNS. SEE TABLE 2
FOR THE SPECIFIC LIST OF NEW WORLD METEOROLOGICAL ORGANIZATION
/WMO/ HEADINGS.

TABLE 1. THE 20 ADDITIONAL FORECAST PROJECTIONS IN HOURS FROM
MODEL INITIALIZATION TIME ARE:

126	156	186	216
132	162	192	222
138	168	198	228
144	174	204	234
150	180	210	240

TABLE 2. WMO HEADINGS THAT WILL BE ADDED EFFECTIVE MARCH 15 2005 AT 1530 UTC:

WMO HEADING	PRODUCT DESCRIPTION
YCQP50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQQ50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQR50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQS50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQT50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQU50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQV50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQW50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQX50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YCQY50 KWBC	ABSOLUTE VORTICITY AT 500 MB
ZCQZ50 KWBC	ABSOLUTE VORTICITY AT 500 MB
YOQP85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQQ85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQR85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQS85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQT85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQU85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQV85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQW85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQX85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQY85 KWBC	VERTICAL VELOCITY AT 850 MB
ZOQZ85 KWBC	VERTICAL VELOCITY AT 850 MB
YOQP70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQQ70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQR70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQS70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQT70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQU70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQV70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQW70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQX70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQY70 KWBC	VERTICAL VELOCITY AT 700 MB
ZOQZ70 KWBC	VERTICAL VELOCITY AT 700 MB
YOQP50 KWBC	VERTICAL VELOCITY AT 500 MB
YOQQ50 KWBC	VERTICAL VELOCITY AT 500 MB
YOQR50 KWBC	VERTICAL VELOCITY AT 500 MB
YOQS50 KWBC	VERTICAL VELOCITY AT 500 MB
YOQT50 KWBC	VERTICAL VELOCITY AT 500 MB
YOQU50 KWBC	VERTICAL VELOCITY AT 500 MB
YOQV50 KWBC	VERTICAL VELOCITY AT 500 MB
YOQW50 KWBC	VERTICAL VELOCITY AT 500 MB
YOQX50 KWBC	VERTICAL VELOCITY AT 500 MB

YOQY50 KWBC	VERTICAL VELOCITY AT 500 MB
ZOQZ50 KWBC	VERTICAL VELOCITY AT 500 MB
YPQP98 KWBC	SURFACE PRESSURE
YPQQ98 KWBC	SURFACE PRESSURE
YPQR98 KWBC	SURFACE PRESSURE
YPQS98 KWBC	SURFACE PRESSURE
YPQT98 KWBC	SURFACE PRESSURE
YPQU98 KWBC	SURFACE PRESSURE
YPQV98 KWBC	SURFACE PRESSURE
YPQW98 KWBC	SURFACE PRESSURE
YPQX98 KWBC	SURFACE PRESSURE
YPQY98 KWBC	SURFACE PRESSURE
ZPQZ98 KWBC	SURFACE PRESSURE
YRQP00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQQ00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQR00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQS00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQT00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQU00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQV00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQW00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQX00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
YRQY00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL
ZRQZ00 KWBC	LAYER RELATIVE HUMIDITY/0.44-1.00 SIGMA LEVEL

NOTE: FOURTH CHARACTER OF THE WMO HEADING INDICATES THE FORECAST PROJECTION AS SHOWN BELOW

P=132
 Q=144
 R=156
 S=168
 T=180
 U=192
 V=204
 W=216
 X=228
 Y=240
 Z=126...138...150...162...174...186...198...210...
 222...AND 234 HOURS

IF YOU HAVE ANY QUESTIONS CONCERNING THESE PRODUCTS...PLEASE CONTACT:

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THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

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

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