TECHNICAL IMPLEMENTATION NOTICE 07-31
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
145 PM EDT TUE MAY 1 2007

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

FROM: GLENN AUSTIN
           DIGITAL SERVICES TRANSITION MANAGER
           OFFICE OF CLIMATE...WATER AND WEATHER SERVICES

SUBJECT: PROBABILISTIC TROPICAL CYCLONE SURFACE WIND SPEED ELEMENTS TO
BECOME OPERATIONAL IN THE NATIONAL DIGITAL FORECAST DATABASE ON MAY 31
2007 WITH THE 1200 UTC ISSUANCE

REFER TO: TECHNICAL IMPLEMENTATION NOTICE /TIN/ 07-32 ANNOUNCING
SIGNIFICANT WAVE HEIGHT ELEMENT BECOMING OPERATIONAL IN NDFD ON THE SAME
DATE.

EFFECTIVE MAY 31 2007 WITH THE 1200 COORDINATED UNIVERSAL TIME /UTC/
FORECASTS...THE PROBABILISTIC TROPICAL CYCLONE SURFACE WIND SPEED ELEMENTS
IN THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/ WILL BE UPGRADED FROM
EXPERIMENTAL TO OPERATIONAL STATUS. THESE ELEMENTS HAVE BEEN EXPERIMENTAL
IN NDFD SINCE SEPTEMBER 2004.

THE PROBABILISTIC TROPICAL CYCLONE SURFACE WIND SPEED ELEMENTS ARE
AVAILABLE THROUGH 120 HOURS AT 6-HOURLY INTERVALS AT FIVE KILOMETER
SPATIAL RESOLUTION...FOR THE COTERMINOUS UNITED STATES /CONUS/ AND THE
ADJACENT COASTAL WATERS...AND FOR THE 16 PRE-DEFINED NDFD CONUS SUBSECTORS
AND THE ADJACENT COASTAL WATERS. THESE FORECASTS ARE PROVIDED FOR THREE
WIND SPEED THRESHOLDS: 34...50 AND 64 KNOTS. TWO TYPES OF WIND SPEED
PROBABILITIES...CUMULATIVE AND INCREMENTAL...ARE PROVIDED. DEFINITIONS OF
THESE PROBABILITIES ARE AVAILABLE ON THE NATIONAL HURRICANE CENTER WEBPAGE
AT /USE LOWER CASE/:

HTTP://WWW.NHC.NOAA.GOV/ABOUTNHCPROBS.SHTML

AND IN THE LIST OF NDFD ELEMENT DEFINITIONS AT /USE LOWER CASE/:

HTTP://WWW.NWS.NOAA.GOV/NDFD/DEFINITIONS.HTM

USERS OF NDFD GRAPHICS...NDFD IN EXTENSIBLE MARKUP LANGUAGE /XML/ VIA WEB
SERVICE...OR THE NEW EXPERIMENTAL NDFD WEB FEATURE SERVICE BEING
IMPLEMENTED TODAY /MAY 1 2007/...ARE NOT AFFECTED BY THIS CHANGE IN STATUS
FROM EXPERIMENTAL TO OPERATIONAL.

THIS CHANGE PRIMARILY AFFECTS USERS WHO PULL THESE ELEMENTS IN GRIDDED
BINARY /GRIB2/ FORMAT FROM THE NWS FILE TRANSFER PROTOCOL /FTP/
SERVER...EITHER VIA THE INTERNET OR VIA THE FAMILY OF SERVICES SERVER
ACCESS SERVICE. THOSE USERS WILL NEED TO PULL THESE ELEMENTS FROM A
DIFFERENT URL/S/ TO CONTINUE TO RECEIVE THE SIX PROBABILISTIC TROPICAL
CYCLONE SURFACE WIND SPEED ELEMENTS AND MAY NEED TO UPDATE PROCEDURES
AND/OR SCRIPTS TO ENSURE CONTINUED ACCESS TO THESE ELEMENTS.

ADDITIONAL DETAILS ABOUT THIS IMPLEMENTATION...INCLUDING SPECIFIC
INFORMATION FOR FTP USERS...ARE AVAILABLE AT /USE LOWER CASE/:

HTTP://WWW.WEATHER.GOV/NDFD/WAVEH_6TPC_OPER_IMPLEM.HTM

IF MAY 31 2007 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE
POSTPONED. IN THAT CASE...USERS WILL BE NOTIFIED OF THAT DECISION VIA A
TIN AS FAR IN ADVANCE AS POSSIBLE.

DETAILED INFORMATION ON OPTIONS FOR ACCESSING AND USING THE NDFD IS
AVAILABLE AT /USER LOWER CASE/:

HTTP://NDFD.WEATHER.GOV/TECHNICAL.HTM

A PRODUCT DESCRIPTION DOCUMENT /PDD/ FOR THE OPERATIONAL PROBABILISTIC
TROPICAL CYCLONE SURFACE WIND SPEED ELEMENTS IN NDFD IS AVAILABLE AT /USE
LOWER CASE/:

HTTP://PRODUCTS.WEATHER.GOV/VIEWLIST.PHP

GO TO PAGE 10 FOR THE PDD DESCRIBING THE TROPICAL CYCLONE PROBABILISTIC
SURFACE WIND SPEED GRIDDED DATA.

IF YOU HAVE QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

TIMOTHY SCHOTT
NATIONAL WEATHER SERVICE
MARINE AND COASTAL SERVICES BRANCH
SILVER SPRING MARYLAND
EMAIL: TIMOTHY.SCHOTT@NOAA.GOV

IF YOU HAVE TECHNICAL QUESTIONS REGARDING THE NDFD DATA...PLEASE CONTACT:

DAVID RUTH
CHIEF...MESOSCALE PREDICTION BRANCH
NATIONAL WEATHER SERVICE
OFFICE OF SCIENCE AND TECHNOLOGY
SILVER SPRING MARYLAND
EMAIL: DAVID.RUTH@NOAA.GOV

TECHNICAL IMPLEMENTATION NOTICES SPECIFICALLY RELATED TO THE NDFD ARE
AVAILABLE ONLINE AT /USE LOWER CASE/:

HTTP://WWW.WEATHER.GOV/NDFD/TINS.HTM

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

HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE

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