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

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS...NOAA
WEATHER WIRE SERVICE /NWS/ SUBSCRIBERS...
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
/EMWIN/ SUBSCRIBERS...NOAAPORT SUBSCRIBERS...
OTHER NATIONAL WEATHER SERVICE /NWS/ CUSTOMERS
AND PARTNERS...AND NWS 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: 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
5 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 WEB PAGE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NHC.NOAA.GOV/ABOUTNHCPROBS.SHTML](http://www.nhc.noaa.gov/aboutnhcprobs.shtml)

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

[HTTP://WWW.NWS.NOAA.GOV/NDFD/DEFINITIONS.HTM](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 LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/WAVEH_6TPC_OPER_IMPLM.HTM](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 TECHNICAL IMPLEMENTATION NOTICE AS FAR IN ADVANCE AS POSSIBLE.

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

[HTTP://NDFD.WEATHER.GOV/TECHNICAL.HTM](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 LETTERS:/

[HTTP://PRODUCTS.WEATHER.GOV/VIEWLIST.PHP](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
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
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

1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
E-MAIL: DAVID.RUTH@NOAA.GOV

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

[HTTP://WWW.WEATHER.GOV/NDFD/TINS.HTM](http://www.weather.gov/ndfd/tins.htm)

ALL NWS TECHNICAL IMPLEMENTATION NOTICES ARE POSTED 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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