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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 /NWS/ 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](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](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\\_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 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](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](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](mailto: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  
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TECHNICAL IMPLEMENTATION NOTICES SPECIFICALLY RELATED TO THE NDFD ARE AVAILABLE ONLINE AT /USE LOWER CASE/:

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

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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