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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 06-37  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
105 PM EDT MON JUN 5 2006

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: THERESE Z. PIERCE  
CHIEF...MARINE AND COASTAL SERVICES BRANCH

SUBJECT: NEW EXPERIMENTAL NATIONAL DIGITAL FORECAST DATABASE TROPICAL  
CYCLONE SURFACE WIND SPEED PROBABILITY ELEMENTS FOR THE CONTIGUOUS UNITED  
STATES AND ADJACENT COASTAL AREAS: EFFECTIVE JULY 5 2006

EFFECTIVE JULY 5 2006 AT 1200 COORDINATED UNIVERSAL TIME /UTC/...THE NWS  
WILL BEGIN PROVIDING TROPICAL CYCLONE PROBABILISTIC WIND SPEED FORECAST  
ELEMENTS IN THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/ ON AN  
EXPERIMENTAL BASIS. THE TEST WILL CONTINUE THROUGH NOVEMBER 30 2006.

USERS WILL BE ABLE TO PULL THESE ELEMENTS IN GRIDDED BINARY VERSION TWO  
/GRIB2/ FORMAT FROM THE NWS FILE TRANSFER PROTOCOL /FTP/ SERVER. GRIDDED  
FORECASTS FOR TROPICAL CYCLONE SURFACE WIND SPEED PROBABILITIES WILL BE  
AVAILABLE THROUGH 120 HOURS AT 6-HOURLY INTERVALS WITH A FIVE KILOMETER  
SPATIAL RESOLUTION. THESE FORECASTS WILL BE PROVIDED FOR THREE WIND SPEED  
THRESHOLDS: 34...50 AND 64 KNOTS. TWO TYPES OF WIND SPEED  
PROBABILITIES...CUMULATIVE AND INCREMENTAL...WILL BE PROVIDED.  
DEFINITIONS OF THESE PROBABILITIES WILL BE AVAILABLE ON THE NATIONAL  
HURRICANE CENTER WEBSITE BY JULY 5 AT /USE LOWER CASE/:

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

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

[HTTP://NDFD.WEATHER.GOV/TECHNICAL.HTM](http://ndfd.weather.gov/technical.htm)

A PRODUCT DESCRIPTION DOCUMENT /PDD/ FOR THE EXPERIMENTAL NDFD TROPICAL  
CYCLONE GRIDDED WIND SPEED PROBABILITIES IS AVAILABLE ONLINE AT /USE LOWER  
CASE/:

[HTTP://PRODUCTS.WEATHER.GOV/VIEWLISTE.PHP](http://products.weather.gov/viewliste.php)

GO TO PAGE 3 FOR THE UMBRELLA PDD DESCRIBING NDFD GRIDDED DATA. GO TO  
PAGE 4 FOR THE PDD DESCRIBING THE EXPERIMENTAL TROPICAL CYCLONE  
PROBABILISTIC SURFACE WIND SPEED GRIDDED DATA.

A DETAILED LISTING OF TROPICAL PREDICTION CENTER /TPC/ WORLD METEOROLOGICAL ORGANIZATION /WMO/ PRODUCT HEADINGS...INCLUDING THE TPC AREA DESIGNATOR AND REFERENCE TIME DESIGNATORS...IS LOCATED AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/DATAMGMT/DOC/TPC.HTML](http://www.weather.gov/datamgmt/doc/tpc.html)

NEW NDFD GRAPHICS FOR THESE EXPERIMENTAL ELEMENTS WILL BE AVAILABLE ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/FORECASTS/GRAPHICAL/SECTORS/](http://www.weather.gov/forecasts/graphical/sectors/)

USERS ARE ENCOURAGED TO PROVIDE FEEDBACK ON THE EXPERIMENTAL PROBABILISTIC WIND SPEED PRODUCTS BY USING THE BRIEF SURVEY AND COMMENT FORM AVAILABLE ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=TCSWP](http://www.weather.gov/survey/nws-survey.php?code=tcswp)

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

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

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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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