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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 10-16
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
744 AM EDT WED APR 7 2010

TO: SUBSCRIBERS:
-FAMILY OF SERVICES
-NOAA WEATHER WIRE SERVICE
-EMERGENCY MANAGERS WEATHER INFORMATION NETWORK
-NOAAPORT
OTHER NWS PARTNERS...USERS AND EMPLOYEES

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

SUBJECT: TROPICAL CYCLONE SURFACE WIND SPEED PROBABILITY ELEMENTS FOR THE
NORTH PACIFIC OCEAN BECOME OPERATIONAL IN THE NATIONAL DIGITAL FORECAST
DATABASE: EFFECTIVE MAY 13 2010

THE TROPICAL CYCLONE SURFACE WIND SPEED PROBABILITY /TCSWSP/ ELEMENTS FOR
THE NORTH PACIFIC OCEAN WILL BE PROVIDED AS OPERATIONAL PRODUCTS FOR THE
NATIONAL DIGITAL FORECAST DATABASE /NDFD/ AS OF THURSDAY MAY 13 2010 AT
1500 COORDINATED UNIVERSAL TIME /UTC/.

THE ELEMENTS WERE PROVIDED ON AN EXPERIMENTAL BASIS IN 2008 AND 2009. THE
ELEMENTS ARE AVAILABLE THROUGH 120 HOURS AT 6-HOURLY INTERVALS AT A 10
KILOMETER SPATIAL RESOLUTION. THE FORECASTS ARE PROVIDED FOR THREE WIND
SPEED THRESHOLDS: 34...50 AND 64 KNOTS. TWO TYPES OF WIND SPEED
PROBABILITIES ARE PROVIDED: CUMULATIVE AND INCREMENTAL. THIS CHANGE
EXPANDS THE NDFD AREAL COVERAGE OF THE TCSWSP ELEMENTS TO INCLUDE ALL OF
THE EASTERN...CENTRAL AND WESTERN PACIFIC OCEAN...NORTH OF THE EQUATOR.

DEFINITIONS OF THE PROBABILITY TYPES 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)

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

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

THIS CHANGE PRIMARILY AFFECTS USERS WHO PULL THESE ELEMENTS IN GRIDDED
BINARY VERSION TWO /GRIB2/ FORMAT FROM THE NWS FILE TRANSFER PROTOCOL
/FTP/ SERVER...EITHER VIA THE INTERNET OR THE FAMILY OF SERVICES /FOS/
SERVER ACCESS SERVICE...AND USERS WHO PULL HTML FILES FROM THE NWS
HYPERTEXT TRANSFER PROTOCOL /HTTP/ SERVER. THESE USERS WILL NEED TO PULL
THESE ELEMENTS FOR THE DOMAINS OF INTEREST FROM A DIFFERENT UNIFORM

RESOURCE LOCATOR /URL/ AND MAY NEED TO UPDATE PROCEDURES AND SCRIPTS TO ENSURE CONTINUED RECEIPT OF THE DATA.

DETAILS REGARDING THIS IMPLEMENTATION...INCLUDING SPECIFIC INFORMATION FOR HTTP AND FTP USERS...AND DETAILS FOR USERS WHO USE THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ SUPER HEADINGS TO ACCESS NDFD ELEMENTS /THE LIST OF SUPER HEADINGS FOR THE PROBABILITY ELEMENTS HAS NOT CHANGED/...ARE PROVIDED AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/OM/NOTIFICATION/RESOURCES/PTWS_PAC.HTM](http://www.weather.gov/om/notification/resources/ptws_pac.htm)

USERS OF THE NDFD IN EXTENSIBLE MARKUP LANGUAGE /XML/ VIA SIMPLE OBJECT ACCESS PROTOCOL /SOAP/ ARE NOT DIRECTLY IMPACTED BY THIS IMPLEMENTATION. THESE USERS CAN CONTINUE TO ACQUIRE THESE ELEMENTS FOR THE DOMAINS OF INTEREST. FOR XML USERS...THERE IS NO DISTINCTION IN THE DATA BETWEEN EXPERIMENTAL AND OPERATIONAL ELEMENTS.

USERS WHO VIEW THE ONLINE NDFD GRAPHICS VIA WEB BROWSER ARE NOT DIRECTLY IMPACTED BY THIS IMPLEMENTATION. GRAPHICAL VERSIONS OF THE PRODUCTS FOR THE NORTH PACIFIC OCEAN DOMAIN...THE GUAM NDFD SUBSECTOR AND THE HAWAII NDFD SUBSECTOR...ARE PROVIDED ONLINE...RESPECTIVELY...AT /USE LOWER CASE EXCEPT FOR THE LETTERS T AND D IN THE TROPICALDAY STRING/:

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

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

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

IF MAY 13 2010 IS DECLARED A CRITICAL WEATHER DAY BY THE NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION...THIS IMPLEMENTATION WILL BE POSTPONED. USERS WILL BE NOTIFIED OF THAT DECISION VIA ANOTHER TECHNICAL IMPLEMENTATION NOTICE /TIN/ AND A NEW IMPLEMENTATION DATE WILL BE ESTABLISHED.

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

TIMOTHY SCHOTT
METEOROLOGIST
NATIONAL WEATHER SERVICE
MARINE AND COASTAL SERVICES BRANCH
SILVER SPRING MARYLAND
PHONE: 301-713-1677 X 122
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
PHONE: 301-713-1768 X 157
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](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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