

NOUS41 KWBC 071144
PNSWSH

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

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

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

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 WEB PAGE AT /USE LOWERCASE/:

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

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

[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 /USER LOWERCASE/:

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

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 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 LOWERCASE/:

[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 LOWERCASE 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/HAWAII TROPICALDAY.PHP](http://www.weather.gov/forecasts/graphical/sectors/hawaiitropicalday.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
1325 EAST WEST HIGHWAY

SILVER SPRING MARYLAND 20910
TELEPHONE: 301-713-1677 X122
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 20910
301-713-1768 X157
DAVID.RUTH@NOAA.GOV

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

[HTTP://WWW.WEATHER.GOV/NDFD/TINS.HTM](http://WWW.WEATHER.GOV/NDFD/TINS.HTM)

NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT
/USE LOWERCASE/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM)

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