

NOUS41 KWBC 201421  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 09-09  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
920 AM EST FRI FEB 20 2009

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

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

SUBJECT: PROBABILISTIC TROPICAL CYCLONE SURFACE WIND SPEED  
ELEMENTS FOR THE NORTH PACIFIC OCEAN REMAIN  
EXPERIMENTAL FOR 2009 IN THE NATIONAL DIGITAL  
FORECAST DATABASE /NDFD/

THE PROBABILISTIC TROPICAL CYCLONE SURFACE WIND SPEED ELEMENTS  
FOR THE NORTH PACIFIC OCEAN WILL BE PROVIDED AS EXPERIMENTAL  
PRODUCTS FOR THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/ IN  
2009. THESE ELEMENTS WILL BE AVAILABLE THROUGH 120 HOURS AT  
6 HOURLY INTERVALS AND 10 KILOMETER SPATIAL RESOLUTION. THESE  
FORECASTS ARE PROVIDED FOR THREE WIND SPEED THRESHOLDS:  
34...50...AND 64 KNOTS. TWO TYPES OF WIND SPEED PROBABILITIES  
ARE PROVIDED: CUMULATIVE AND INCREMENTAL.

DEFINITIONS OF THESE PROBABILITIES 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)

PROBABILISTIC TROPICAL CYCLONE SURFACE WIND SPEED ELEMENTS ARE  
ALREADY AVAILABLE IN OPERATIONAL STATUS FOR THE COTERMINOUS  
UNITED STATES /CONUS/...THE 16 PRE-DEFINED NDFD CONUS SUBSECTORS  
AND THE ADJACENT COASTAL WATERS...AT 5 KILOMETER SPATIAL  
RESOLUTION.

THIS CHANGE EXPANDS THE NDFD AREAL COVERAGE OF THE PROBABALISTIC  
TROPICAL CYCLONE SURFACE WIND SPEED ELEMENTS TO ALL OF THE  
EASTERN...CENTRAL...AND WESTERN PACIFIC OCEAN...NORTH OF THE  
EQUATOR...CORRESPONDING TO AWIPS GRID NUMBER 204. TO SEE AN  
IMAGE OF THE NORTH PACIFIC OCEAN DOMAIN...SEE /USE LOWERCASE/:

[HTTP://WWW.NCO.NCEP.NOAA.GOV/PMB/DOCS/ON388/GRIDS/GRID204.GIF](http://www.nco.ncep.noaa.gov/pmb/docs/on388/grids/grid204.gif)

THIS CHANGE PRIMARILY AFFECTS USERS WHO PULL THESE ELEMENTS IN GRIDDED BINARY /GRIB2/ FORMAT FROM THE NWS HTTP OR FTP SERVER VIA THE INTERNET OR SUBSCRIBE TO THE FAMILY OF SERVICES SERVER ACCESS SERVICE.

ADDITIONAL DETAILS ABOUT THIS IMPLEMENTATION...INCLUDING SPECIFIC INFORMATION FOR HTTP AND FTP USERS...ARE AVAILABLE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/TPC\\_EXPER\\_PACIFIC\\_NDFD\\_IMPLM.HTM](http://www.weather.gov/ndfd/tpc_exper_pacific_ndfd_implem.htm)

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)

MORE DETAILS REGARDING THESE ELEMENTS WILL BE PROVIDED IN A PRODUCT DESCRIPTION DOCUMENT /PDD/ TO BE ADDED TO THE NWS CATALOG OF EXPERIMENTAL PRODUCTS ONLINE AT /USE LOWERCASE/:

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

COMMENTS AND FEEDBACK ON THE EXPERIMENTAL PROBABILISTIC TROPICAL CYCLONE SURFACE WIND SPEED ELEMENTS FOR THE NORTH PACIFIC OCEAN WILL BE ACCEPTED THROUGH NOVEMBER 30 2009. LINKS TO ONLINE SURVEYS FOR NDFD CUSTOMERS ARE /USE LOWER CASE LETTERS/:

GRIB2 USERS:

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

USERS OF XML SOAP SERVICE:

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

IN LINK BELOW USE LOWERCASE EXCEPT OGC

GML USERS VIA WEB FEATURE SERVICE:

[HTTP://WWW.WEATHER.GOV/FORECASTS/XML/OGC\\_SERVICES](http://www.weather.gov/forecasts/xml/ogc_services)

NDFD ONLINE GRAPHICS:

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

THESE NEW ELEMENTS FOR THE NORTH PACIFIC OCEAN WILL REMAIN IN EXPERIMENTAL STATUS UNTIL ALL FEEDBACK RECEIVED BY THE CLOSE OF THE COMMENT PERIOD HAS BEEN ASSESSED AND A TECHNICAL ANALYSIS IS COMPLETED. AT THAT TIME NWS WILL DETERMINE WHETHER TO TRANSITION THESE EXPERIMENTAL ELEMENTS TO OPERATIONAL STATUS... DISCONTINUE THEM...OR REVISE AND RETAIN THEM AS EXPERIMENTAL ELEMENTS.

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

FOR TECHNICAL QUESTIONS ON 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 LOWERCASE/:

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

ALL NWS TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT  
/USE LOWERCASE/

[HTTP://WWW.WEATHER.GOV/OS/NOTIF.HTM](http://WWW.WEATHER.GOV/OS/NOTIF.HTM)

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