

NOUS41 KWBC 201420  
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  
-NOAAPORT  
OTHER NWS PARTNERS...USERS AND EMPLOYEES

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

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 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)

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 FIVE 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 ADVANCED  
WEATHER INFORMATION PROCESSING SYSTEM /AWIPS/ GRID NUMBER 204. TO SEE AN  
IMAGE OF THE NORTH PACIFIC OCEAN DOMAIN...SEE /USE LOWER CASE/:

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

THIS CHANGE PRIMARILY AFFECTS USERS WHO PULL THESE ELEMENTS IN GRIDDED BINARY VERSION TWO /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/:

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

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)

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 LOWER CASE/:

[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/:

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 EXTENSIBLE MARKUP LANGUAGE /XML/ SIMPLE OBJECT ACCESS PROTOCOL /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 LOWER CASE EXCEPT OGC:

GEOGRAPHIC MARKUP LANGUAGE /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  
SILVER SPRING MARYLAND  
EMAIL: [TIMOTHY.SCHOTT@NOAA.GOV](mailto: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  
SILVER SPRING MARYLAND  
E-MAIL: [DAVID.RUTH@NOAA.GOV](mailto: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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