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TECHNICAL IMPLEMENTATION NOTICE 08-34
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1010 AM EDT MON APR 14 2008

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 TO BE ADDED TO
THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/ ON
MAY 15 2008 AT 1200 UTC

EFFECTIVE THURSDAY MAY 15 2008 WITH THE 1200 COORDINATED
UNIVERSAL TIME /UTC/ FORECASTS...THE PROBABILISTIC TROPICAL
CYCLONE SURFACE WIND SPEED ELEMENTS WILL BE ADDED IN EXPERIMENTAL
STATUS TO NDFD FOR A NEW NDFD DOMAIN: THE NORTH PACIFIC OCEAN.
THESE ELEMENTS WILL BE AVAILABLE THROUGH 120 HOURS AT 6 HOURLY
INTERVALS AT 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.

USERS OF NDFD XML VIA WEB SERVICE AND/OR NDFD GML VIA WEB FEATURE
SERVICE WILL BE ABLE TO RECEIVE THIS DATA ONE WEEK LATER ON
MAY 22 2008 AT 1200 UTC.

DEFINITIONS OF THESE PROBABILITIES ARE AVAILABLE ON THE NATIONAL
HURRICANE CENTER WEB PAGE AT /USE LOWER CASE LETTERS/:

[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
LETTERS/:

[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...REFER TO /USE LOWER CASE LETTERS/:

[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)

IF MAY 15 2008 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE POSTPONED. IN THAT CASE USERS WILL BE NOTIFIED VIA A TECHNICAL IMPLEMENTATION NOTICE AS FAR IN ADVANCE AS POSSIBLE.

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/ WHICH WILL BE ADDED TO THE NWS CATALOG OF EXPERIMENTAL PRODUCTS BEFORE THE IMPLEMENTATION DATE. THE CATALOG OF EXPERIMENTAL PRODUCTS IS ONLINE AT /USE LOWER CASE LETTERS/:

[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 2008. LINKS TO ONLINE SURVEYS FOR NDFD CUSTOMERS ARE /USE LOWER CASE LETTERS/:

GRIB2 USERS:

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

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:

SCOTT KISER
NATIONAL WEATHER SERVICE
MARINE AND COASTAL SERVICES BRANCH
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
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FOR TECHNICAL QUESTIONS REGARDING NDFD DATA...PLEASE CONTACT:

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CHIEF...MESOSCALE PREDICTION BRANCH
NATIONAL WEATHER SERVICE
OFFICE OF SCIENCE AND TECHNOLOGY
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TECHNICAL IMPLEMENTATION NOTICES SPECIFICALLY RELATED TO THE NDFD ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/TINS.HTM](http://www.weather.gov/ndfd/tins.htm)

NWS TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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