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PNSWSH

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  
-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 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 EXTENSIBLE MARKUP LANGUAGE /XML/ VIA WEB SERVICE AND/OR NDFD  
GAME MAKER LANGUAGE /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 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 CONTIGUOUS 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 INTERACTIVE PROCESSING SYSTEM /AWIPS/ GRID NUMBER 204. TO SEE AN  
IMAGE OF THE NORTH PACIFIC OCEAN DOMAIN...REFER TO /USE LOWER CASE/:

[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 VERSION TWO /GRIB2/ FORMAT FROM THE NWS HTTP OR FTP SERVER VIA THE INTERNET OR SUBSCRIBE TO THE FAMILY OF SERVICES /FOS/ 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)

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/:

[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/:

[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/:

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 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)

GML USERS VIA WEB FEATURE SERVICE /USE LOWER CASE EXCEPT OGC/:

[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  
SILVER SPRING MARYLAND  
EMAIL: [SCOTT.KISER@NOAA.GOV](mailto:SCOTT.KISER@NOAA.GOV)

FOR TECHNICAL QUESTIONS REGARDING NDFD DATA...PLEASE CONTACT:

DAVID RUTH  
CHIEF...MESOSCALE PREDICTION BRANCH  
NATIONAL WEATHER SERVICE  
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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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