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PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-56  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
135 PM EDT FRI AUG 17 2007

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

FROM: ELI JACKS  
CHIEF...FIRE AND PUBLIC WEATHER SERVICES BRANCH

SUBJECT: WIND GUST ELEMENT TO BECOME OPERATIONAL IN THE NATIONAL DIGITAL  
FORECAST DATABASE /NDFD/ ON SEPTEMBER 20 2007 AT 1400 UTC /SEPTEMBER 21  
2007 AT MIDNIGHT LOCAL TIME IN GUAM/

EFFECTIVE SEPTEMBER 20 2007 AT 1400 COORDINATED UNIVERSAL TIME  
/UTC/...SEPTEMBER 21 2007 AT MIDNIGHT LOCAL TIME IN GUAM...THE WIND GUST  
ELEMENT IN THE NDFD WILL BE UPGRADED FROM EXPERIMENTAL TO OPERATIONAL  
STATUS. WIND GUST HAS BEEN AN EXPERIMENTAL ELEMENT IN THE NDFD SINCE  
SEPTEMBER 2006.

THE WIND GUST ELEMENT IS AVAILABLE FROM THE NDFD AT A FIVE KILOMETER  
SPATIAL RESOLUTION FOR THE ENTIRE CONTERMINOUS U.S. /CONUS/...THE 16 PRE-  
DEFINED NDFD CONUS SUBSECTORS...PUERTO RICO AND THE VIRGIN  
ISLANDS...HAWAII AND GUAM. FORECASTS ARE ISSUED FOR 3-HOUR PERIODS OUT TO  
72 HOURS. WHEN WIND GUSTS ARE NOT EXPECTED FOR A PARTICULAR PERIOD...THE  
WIND GUST FORECAST IS THE VALUE OF THE SUSTAINED WIND FORECAST FROM THE  
NDFD.

USERS OF THE NDFD IN EXTENSIBLE MARKUP LANGUAGE /XML/ VIA WEB  
SERVICE...NDFD IN GEOGRAPHIC MARKUP LANGUAGE /GML/ VIA WEB FEATURE  
SERVICE...AND/OR NDFD GRAPHICS VIA INTERNET ARE NOT DIRECTLY IMPACTED BY  
THIS IMPLEMENTATION. THOSE USERS CAN USE THE SAME METHODS THEY CURRENTLY  
USE TO ACQUIRE WIND GUST FOR THE DOMAIN/S/ OF INTEREST AND THIS CHANGE  
WILL BE TRANSPARENT TO THEM. FOR XML AND GML USERS...THERE IS NO  
DISTINCTION IN THE DATA ITSELF BETWEEN EXPERIMENTAL AND OPERATIONAL  
ELEMENTS. FOR GRAPHICS USERS...THE ONLY CHANGE WILL BE THE REMOVAL OF THE  
EXPERIMENTAL LABEL CURRENTLY ON THE WIND GUST GRAPHICS ON THE ABOVE  
EFFECTIVE DATE.

THIS CHANGE PRIMARILY AFFECTS USERS WHO PULL THESE ELEMENTS IN GRIDDED  
BINARY VERSION TWO /GRIB2/ FORMAT FROM THE NWS FILE TRANSFER PROTOCOL  
/FTP/ SERVER...EITHER VIA THE INTERNET OR VIA THE FAMILY OF SERVICES /FOS/  
SERVER ACCESS SERVICE...AND USERS WHO PULL HTML FILES FROM THE NWS HTTP  
SERVER. THOSE USERS WILL NEED TO PULL THE WIND GUST ELEMENT FOR THE  
DOMAIN/S/ OF INTEREST FROM A DIFFERENT URL/S/ AND MAY NEED TO UPDATE  
PROCEDURES AND/OR SCRIPTS TO ENSURE CONTINUED RECEIPT OF THE DATA.

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

[HTTP://WWW.WEATHER.GOV/NDFD/WGUST OPNL IMPLEM.HTM](http://www.weather.gov/ndfd/wgust_opnl_implem.htm)

IF SEPTEMBER 20 2007 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE POSTPONED. IN THAT CASE...USERS WILL BE NOTIFIED OF THAT DECISION VIA A TECHNICAL IMPLEMENTATION NOTICE /TIN/ AS FAR IN ADVANCE AS POSSIBLE.

DETAILED INFORMATION ON OPTIONS FOR ACCESSING AND USING THE NDFD IS AVAILABLE AT /USE LOWER CASE/:

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

USERS ARE ENCOURAGED TO CONTINUE TO PROVIDE COMMENTS AND FEEDBACK ON BOTH EXPERIMENTAL AND OPERATIONAL NDFD ELEMENTS VIA ONE OF THE BRIEF ONLINE SURVEY AND COMMENT FORMS POSTED AT /USE LOWER CASE/:

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

FOR GENERAL QUESTIONS REGARDING THE NDFD...PLEASE EMAIL [NWS.NDFD@NOAA.GOV](mailto:NWS.NDFD@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  
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FOR QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

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ALL 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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