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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_IMPLM.HTM](http://WWW.WEATHER.GOV/NDFD/WGUST_OPNL_IMPLM.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.

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
EMAIL: DAVID.RUTH@NOAA.GOV

FOR QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

ANDY HORVITZ
NATIONAL WEATHER SERVICE
OFFICE OF CLIMATE...WATER AND WEATHER SERVICES
FIRE AND PUBLIC WEATHER SERVICES BRANCH
SILVER SPRING MARYLAND
EMAIL: ANDY.HORVITZ@NOAA.GOV

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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