

NOUS41 KWBC 171733
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 NATIONAL WEATHER SERVICE
/NWS/ PARTNERS AND USERS...AND NWS 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 5 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 2 /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 LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/WGUST_OPNL_IMPLM.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 AS FAR IN ADVANCE AS POSSIBLE.

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

[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 LETTERS/:

[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
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
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
1325 EAST WEST HIGHWAY
SILVER SPRING MARYLAND 20910
EMAIL: ANDY.HORVITZ@NOAA.GOV

ALL 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)

THIS AND ALL NWS TECHNICAL IMPLEMENTATION NOTICES ARE POSTED AT
/USE LOWER CASE LETTERS/:

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

\$\$
NNNN