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TECHNICAL IMPLEMENTATION NOTICE 06-55  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
226 PM EDT MON AUG 7 2006

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

FROM: GLENN AUSTIN  
DIGITAL SERVICES TRANSITION MANAGER  
OFFICE OF CLIMATE...WATER AND WEATHER SERVICES

SUBJECT: NEW EXPERIMENTAL WIND GUST ELEMENT TO BE ADDED TO THE NATIONAL  
DIGITAL FORECAST DATABASE /NDFD/ ON SEPTEMBER 6 2006 /SEPTEMBER 7 2006 IN  
GUAM/

ON SEPTEMBER 6 2006 AT 1400 COORDINATED UNIVERSAL TIME /UTC/...SEPTEMBER 7  
AT MIDNIGHT LOCAL GUAM TIME...WIND GUST WILL BE ADDED TO NDFD AS A NEW  
EXPERIMENTAL ELEMENT FOR THE LOWER 48 STATES...INCLUDING ALL 16 PRE-  
DEFINED SUBSECTORS... PUERTO RICO/VIRGIN ISLANDS...HAWAII AND GUAM.

THE WIND GUST ELEMENT IS PRODUCED AT FIVE KILOMETER SPATIAL RESOLUTION.  
FORECASTS ARE ISSUED FOR THREE HOUR PERIODS OUT TO 72 HOURS. WHEN WIND  
GUSTS ARE NOT EXPECTED FOR A PARTICULAR PERIOD...THE WIND GUST FORECAST  
WILL BE THE VALUE OF THE SUSTAINED WIND FORECAST ELEMENT FROM NDFD.

USERS WHO PULL NDFD ELEMENTS IN GRIDDED BINARY VERSION TWO /GRIB2/ FORMAT  
FROM THE NWS ANONYMOUS FILE TRANSFER PROTOCOL /FTP/ SERVER...EITHER VIA  
THE INTERNET OR VIA THE FAMILY OF SERVICES SERVER ACCESS SERVICE...MAY  
NEED TO UPDATE THEIR PROCEDURES AND/OR SCRIPTS IF THEY WANT TO ACCESS THIS  
NEW ELEMENT. DETAILED INFORMATION FOR FTP AND ALL OTHER USERS REGARDING  
THIS CHANGE IS AVAILABLE ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/NDFD/OPER\\_IMPLEM\\_WGUST.HTM](http://WWW.WEATHER.GOV/NDFD/OPER_IMPLEM_WGUST.HTM)

MORE DETAILS REGARDING THIS ELEMENT WILL BE ISSUED IN A PRODUCT  
DESCRIPTION DOCUMENT /PDD/ PRIOR TO THE BEGINNING OF THE EXPERIMENTAL  
PERIOD. AT THAT TIME...THE PDD WILL BE FOUND ONLINE AT /USE LOWER CASE/:

[HTTP://PRODUCTS.WEATHER.GOV/VIEWLISTE.PHP](http://PRODUCTS.WEATHER.GOV/VIEWLISTE.PHP)

IF SEPTEMBER 6 2006 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE  
POSTPONED. IN THAT CASE...USERS WILL BE NOTIFIED OF THAT DECISION AS FAR  
IN ADVANCE AS POSSIBLE.

COMMENTS AND FEEDBACK ON THE EXPERIMENTAL WIND GUST ELEMENT WILL BE ACCEPTED THROUGH MARCH 6 2007. LINKS TO ONLINE SURVEYS ARE AT /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)

FOR USERS OF NDFD GRAPHICS:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=EGF](http://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=EGF)

FOR 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)

THIS FORECAST ELEMENT WILL REMAIN EXPERIMENTAL UNTIL ALL FEEDBACK IS ASSESSED AND A TECHNICAL ANALYSIS IS COMPLETED. AT THAT TIME...NWS WILL DETERMINE WHETHER TO TRANSITION THE EXPERIMENTAL WIND GUST ELEMENT TO OPERATIONAL STATUS...DISCONTINUE THE PRODUCT...OR REVISE AND RETAIN WIND GUST AS AN EXPERIMENTAL ELEMENT.

FOR GENERAL QUESTIONS REGARDING THE NDFD...PLEASE EMAIL:

[NWS.NDFD@NOAA.GOV](mailto:NWS.NDFD@NOAA.GOV)

FOR 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](mailto:DAVID.RUTH@NOAA.GOV)

FOR QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

DOUGLAS YOUNG  
NATIONAL WEATHER SERVICE  
OCWWS...DIGITAL SERVICES  
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NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATIONS/ARCHIVE](https://WWW.WEATHER.GOV/NOTIFICATIONS/ARCHIVE)

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