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TECHNICAL IMPLEMENTATION NOTICE 08-49...CORRECTED  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
105 PM EDT FRI JUN 6 2008

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

FROM: KEN GRAHAM  
CHIEF...METEOROLOGICAL SERVICES DIVISION

SUBJECT: CORRECTED: HAZARD ELEMENT TO BECOME EXPERIMENTAL IN THE NATIONAL  
DIGITAL FORECAST DATABASE /NDFD/ ON JULY 8 2008 AT 1400 UTC /JULY 9 2008  
AT MIDNIGHT LOCAL TIME IN GUAM/

REFER TO: [TECHNICAL IMPLEMENTATION NOTICE /TIN/ 08-50](#)...ANNOUNCING  
QPF...SKY AND SNOW AMOUNT ELEMENTS BECOMING OPERATIONAL IN THE NDFD ON THE  
SAME DATE.

CORRECTED TO ADD DATE THESE ELEMENTS WILL BE AVAILABLE VIA SIMPLE OBJECT  
ACCESS PROTOCOL /SOAP/ SERVICE. SEE SECOND PARAGRAPH BELOW.

EFFECTIVE JULY 8 2008 AT 1400 COORDINATED UNIVERSAL TIME /UTC/...JULY 9  
2008 AT MIDNIGHT LOCAL TIME IN GUAM...THE HAZARD ELEMENT WILL BE ADDED TO  
THE TO THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/ IN EXPERIMENTAL  
STATUS

USERS OF NDFD EXTENSIBLE MARKUP LANGUAGE /XML/ VIA SIMPLE OBJECT ACCESS  
PROTOCOL /SOAP/ WILL BE ABLE TO ACCESS THIS ELEMENT VIA THAT SERVICE ONE  
WEEK LATER ON JULY 15 2008 AT 1400 UTC.

THE HAZARD ELEMENT WILL CONTAIN ALL THE ACTIVE LONG DURATION  
WATCH...WARNING AND ADVISORY HAZARDS AVAILABLE FROM THE NDFD AT A FIVE  
KILOMETER SPATIAL RESOLUTION FOR THE CONTERMINOUS U.S. /CONUS/...THE 16  
PRE-DEFINED NDFD CONUS SUBSECTORS...ALASKA...PUERTO RICO AND THE VIRGIN  
ISLANDS...HAWAII AND GUAM. THE HAZARD GRIDS ARE ISSUED FOR 1-HOUR PERIODS  
OUT TO 72 HOURS...THEN AT 6-HOUR PERIODS OUT TO 120 HOURS.

SUPPLEMENTAL NDFD HAZARD IMAGES WILL BECOME AVAILABLE IN EXPERIMENTAL  
STATUS AT 3-HOURLY RESOLUTION TO 72 HOURS AND SIX HOURLY RESOLUTION FOR  
DAYS FOUR AND FIVE. THIS REDUCED TEMPORAL RESOLUTION FOR THE NDFD HAZARD  
IMAGES WILL CONTINUE UNTIL THE NWS WEB FARM HAS SUFFICIENT CAPACITY TO  
GENERATE 1-HOURLY RESOLUTION IMAGES.

THE HAZARD GRIDS DO NOT INCLUDE THE FOLLOWING HAZARDS:

- TORNADO WARNING
- SEVERE THUNDERSTORM WARNING
- EXTREME WIND WARNING
- FLASH FLOOD WARNING
- SPECIAL MARINE WARNING
- AREAL FLOOD WARNING
- FLOOD WATCH FOR FORECAST POINTS
- FLOOD WARNING FOR FORECAST POINTS.

IN ADDITION...ALASKA REGION WFOS WILL NOT PROVIDE MARINE HAZARD GRIDS.

MORE DETAILS REGARDING THE HAZARDS ELEMENT WILL BE PROVIDED IN A PRODUCT DESCRIPTION DOCUMENT /PDD/ WHICH WILL BE ADDED TO THE ONLINE CATALOG OF NWS PRODUCTS AND SERVICES BEFORE THE IMPLEMENTATION DATE. REFER TO /USE LOWER CASE/:

[HTTP://PRODUCTS.WEATHER.GOV/VIEWLISTE.PHP](http://products.weather.gov/viewliste.php)

A DETAILED LISTING OF ALL HAZARDS INCLUDED IN THE HAZARDS ELEMENT WILL BE INCLUDED IN THE PDD. SEE APPENDIX A.

WITH THIS IMPLEMENTATION...THE HAZARD GRIDS WILL BE AVAILABLE FROM NDFD IN THREE OF THE STANDARD METHODS:

- GRIDDED BINARY /GRIB2/ FILES VIA HYPERTEXT TRANSFER PROTOCOL /HTTP/ AND FILE TRANSFER PROTOCOL /FTP/
- IN XML VIA SOAP SERVICE
- GRAPHICS VIA WEB BROWSER

THE HAZARD GRIDS WILL NOT BE AVAILABLE IN GEOGRAPHY MARKUP LANGUAGE /GML/ THROUGH THE NDFD WEB FEATURE SERVICE /WFS/.

USERS WHO PULL NDFD ELEMENTS IN GRIDDED BINARY EDITION 2 /GRIB2/ FORMAT FROM THE NWS ANONYMOUS FTP SERVER OR THE HTTP SERVER...MAY NEED TO UPDATE THEIR PROCEDURES AND SCRIPTS TO ACCESS THIS NEW ELEMENT.

FOR CUSTOMERS WHO KEY ON THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ SUPER HEADINGS TO ACCESS NDFD ELEMENTS...THE LIST OF SUPER HEADINGS FOR THE EXPERIMENTAL HAZARDS ELEMENT IS ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/NDFD/RESOURCES/HAZARD\\_WMO\\_HDG\\_NDFD.PDF](http://www.weather.gov/ndfd/resources/HAZARD_WMO_HDG_NDFD.PDF)

CUSTOMERS WHO USE THE NDFD IN XML VIA WEB SERVICE OR THE ONLINE NDFD GRAPHICS VIA WEB BROWSER CAN USE THE SAME METHODS THEY CURRENTLY USE TO ACQUIRE THESE NEW EXPERIMENTAL ELEMENTS. THE HAZARDS NDFD GRAPHICS WILL BE LABELED EXPERIMENTAL.

MORE SPECIFIC INFORMATION ABOUT ACCESSING THESE NEW ELEMENTS USING THE STANDARD NDFD ACCESS METHODS IS AVAILABLE ONLINE AT /USE LOWER CASE/:

[HTTP://WWW.WEATHER.GOV/NDFD/HAZARDS\\_NDFD\\_EXPER\\_IMPLM.HTM](http://www.weather.gov/ndfd/HAZARDS_NDFD_EXPER_IMPLM.HTM)

IF JULY 8 2008 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE POSTPONED. USERS WILL BE NOTIFIED OF THAT DECISION VIA A TECHNICAL IMPLEMENTATION NOTICE AS FAR IN ADVANCE AS POSSIBLE.

GENERAL INFORMATION ON ACCESSING AND USING NDFD ELEMENTS IS AVAILABLE ONLINE AT /USE LOWER CASE/:

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

COMMENTS AND FEEDBACK ON THE EXPERIMENTAL HAZARDS ELEMENT WILL BE ACCEPTED THROUGH JANUARY 8 2009. 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 SOAP SERVICE:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=XMLSOAP](http://www.weather.gov/survey/nws-survey.php?code=xmlsoap)

USERS OF THE NDFD IMAGES:

[HTTP://WWW.WEATHER.GOV/SURVEY/NWS-SURVEY.PHP?CODE=GFP](http://www.weather.gov/survey/nws-survey.php?code=gfp)

THE NEW HAZARDS ELEMENT WILL REMAIN EXPERIMENTAL 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.

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:

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CHIEF...MESOSCALE PREDICTION BRANCH  
NATIONAL WEATHER SERVICE  
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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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