

NOUS41 KWBC 181806
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-71
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
206 PM EDT TUE SEP 18 2007

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

FROM: ROBERT LIVEZEY
CHIEF...CLIMATE SERVICES DIVISION
OFFICE OF CLIMATE WATER AND WEATHER SERVICES

SUBJECT: TWELVE EXPERIMENTAL CLIMATE OUTLOOK HAZARD
PROBABILITY ELEMENTS TO BE ADDED TO THE NATIONAL
DIGITAL FORECAST DATABASE /NDFD/ ON OCTOBER 18 2007
AT 1400 UTC

EFFECTIVE OCTOBER 18 2007 AT 1400 COORDINATED UNIVERSAL TIME
/UTC/...NWS WILL ADD 12 CLIMATE OUTLOOK PROBABILITY ELEMENTS TO
NDFD ON AN EXPERIMENTAL BASIS. THESE ELEMENTS ARE GENERATED BY
THE CLIMATE PREDICTION CENTER /CPC/ IN CAMP SPRINGS MARYLAND.

THE 12 CLIMATE OUTLOOK PROBABILITY ELEMENTS BELOW WILL BE
AVAILABLE FROM NDFD FOR THE CONTIGUOUS U.S. /CONUS/...THE
16 PRE-DEFINED NDFD CONUS SUBSECTORS AND FOR ALASKA.

8- TO 14-DAY AVERAGE TEMPERATURE ABOVE NORMAL
8- TO 14-DAY AVERAGE TEMPERATURE BELOW NORMAL
8- TO 14-DAY TOTAL PRECIPITATION ABOVE MEDIAN
8- TO 14-DAY TOTAL PRECIPITATION BELOW MEDIAN
ONE-MONTH AVERAGE TEMPERATURE ABOVE NORMAL
ONE-MONTH AVERAGE TEMPERATURE BELOW NORMAL
ONE-MONTH TOTAL PRECIPITATION ABOVE MEDIAN
ONE-MONTH TOTAL PRECIPITATION BELOW MEDIAN
THREE-MONTH AVERAGE TEMPERATURE ABOVE NORMAL*
THREE-MONTH AVERAGE TEMPERATURE BELOW NORMAL*
THREE-MONTH TOTAL PRECIPITATION ABOVE MEDIAN*
THREE-MONTH TOTAL PRECIPITATION BELOW MEDIAN*

*THIRTEEN ISSUANCES: FOR MONTHS 1 THROUGH 3...MONTHS
2 THROUGH 4...MONTHS 3 THROUGH 5...UP TO MONTHS 13 THROUGH 15.

USERS WHO PULL NDFD ELEMENTS IN GRIB2 FORMAT VIA HTTP OR
ANONYMOUS FTP SERVER...EITHER VIA THE INTERNET OR VIA THE FAMILY
OF SERVICES SERVER ACCESS SERVICE...MAY NEED TO UPDATE THEIR
PROCEDURES AND/OR SCRIPTS TO ACCESS THESE NEW ELEMENTS.
FOR CUSTOMERS WHO KEY ON THE WORLD METEOROLOGICAL ORGANIZATION
/WMO/ SUPER HEADING TO ACCESS NDFD ELEMENTS...THE LIST OF SUPER

HEADINGS FOR THE EXPERIMENTAL CLIMATE OUTLOOK PROBABILITY ELEMENTS IS ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.WEATHER.GOV/NDFD/RESOURCES/CLIM_OUTLK_WMO_NDFD.PDF](http://www.weather.gov/ndfd/resources/clim_outlk_wmo_ndfd.pdf)

CUSTOMERS WHO USE NDFD IN XML VIA WEB SERVICE SHOULD USE THE SAME METHODS THEY CURRENTLY USE TO ACQUIRE THESE NEW EXPERIMENTAL ELEMENTS.

THESE OUTLOOKS ARE ALREADY AVAILABLE AS NON NDFD GRAPHICS OVER THE INTERNET ON THE CPC WEB SITE LISTED ABOVE.

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

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

MORE DETAILS REGARDING THESE ELEMENTS WILL BE PROVIDED IN A PRODUCT DESCRIPTION DOCUMENT /PDD/ WHICH WILL BE ADDED TO THE ONLINE CATALOG THE WEEK OF SEPTEMBER 24. REFER TO /USE LOWER CASE LETTERS/:

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

DETAILED DESCRIPTIONS OF THESE PRODUCTS ARE AVAILABLE AT THE CPC WEB SITE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.CPC.NCEP.NOAA.GOV/](http://www.cpc.ncep.noaa.gov/)

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

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

IF OCTOBER 18 2007 IS A CRITICAL WEATHER DAY...THIS IMPLEMENTATION MAY BE POSTPONED. IN THAT CASE USERS WILL BE NOTIFIED OF THAT DECISION VIA TECHNICAL IMPLEMENTATION NOTICE AS FAR IN ADVANCE AS POSSIBLE.

COMMENTS AND FEEDBACK ON THE EXPERIMENTAL CLIMATE OUTLOOK PROBABILITY ELEMENTS WILL BE ACCEPTED THROUGH FEBRUARY 18 2008. LINKS TO ONLINE SURVEYS FOR NDFD CUSTOMERS ARE /USE LOWER CASE LETTERS/:

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)

IN LINK BELOW USE LOWERCASE EXCEPT OGC

GML USERS VIA WEB FEATURE SERVICE:

[HTTP://WWW.WEATHER.GOV/FORECASTS/XML/OGC_SERVICES](http://www.weather.gov/forecasts/xml/ogc_services)

THESE NEW CLIMATE OUTLOOK PROBABILITY ELEMENTS 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 QUESTIONS REGARDING THESE PRODUCTS... PLEASE CONTACT:

MARK ARMSTRONG MICHAEL S HALPERT
NWS CLIMATE PREDICTION CENTER NWS CLIMATE PREDICTION CENTER
5200 AUTH RD 5200 AUTH RD
CAMP SPRINGS MD 20746-4304 CAMP SPRINGS MD 20746-4304
PH: /301/763-8000 X7520 PH: /301/763-8000 X7535
E-MAIL: MARK.ARMSTRONG@NOAA.GOV E-MAIL: MIKE.HALPERT@NOAA.GOV

IF YOU HAVE QUESTIONS REGARDING THIS NOTICE...PLEASE CONTACT:

RON BERGER
OFFICE OF CLIMATE WATER AND WEATHER SERVICES
CLIMATE SERVICES DIVISION
1325 EAST-WEST HWY
SILVER SPRING MD 20910
PH. 301-713-1970 X178
EMAIL: MYRON.BERGER@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

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)

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)

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