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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 /NWS/ SUBSCRIBERS  
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/  
SUBSCRIBERS  
NOAAPORT SUBSCRIBERS  
OTHER NWS CUSTOMERS...PARTNERS AND 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 GRIDDED BINARY VERSION TWO /GRIB2/ FORMAT  
VIA HTTP OR ANONYMOUS FILE TRANSFER PROTOCOL /FTP/ SERVER...EITHER VIA THE  
INTERNET OR VIA THE FAMILY OF SERVICES /FOS/ 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 HEADINGS TO ACCESS NDFD ELEMENTS...THE LIST OF SUPER HEADINGS FOR THE EXPERIMENTAL CLIMATE OUTLOOK PROBABILITY ELEMENTS IS ONLINE AT /USE LOWER CASE/:

[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 EXTENSIBLE MARKUP LANGUAGE /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 WEBSITE 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/:

[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 2007. REFER TO /USE LOWER CASE/:

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

DETAILED DESCRIPTIONS OF THESE PRODUCTS ARE AVAILABLE AT THE CPC WEBSITE AT /USE LOWER CASE/:

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

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)

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/:

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/SIMPLE OBJECT ACCESS PROTOCOL /SOAP/ SERVICE:

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

GAMEMAKER LANGUAGE /GML/ USERS VIA WEB FEATURE SERVICE /IN LINK BELOW USE LOWER CASE EXCEPT OGC/:

[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  
NWS CLIMATE PREDICTION CENTER  
CAMP SPRINGS MARYLAND  
PHONE: 301-763-8000 X 7520  
EMAIL: [MARK.ARMSTRONG@NOAA.GOV](mailto:MARK.ARMSTRONG@NOAA.GOV)

MICHAEL S. HALPERT  
NWS CLIMATE PREDICTION CENTER  
CAMP SPRINGS MARYLAND  
PHONE: 301-763-8000 X 7535  
EMAIL: [MIKE.HALPERT@NOAA.GOV](mailto: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  
SILVER SPRING MARYLAND  
PHONE: 301-713-1970 X 178  
EMAIL: [MYRON.BERGER@NOAA.GOV](mailto: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](mailto:DAVID.RUTH@NOAA.GOV)

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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