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TECHNICAL IMPLEMENTATION NOTICE 04-30
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
1130 AM EDT THU JUN 17 2004

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: ROBERT BUNGE
INTERNET DISSEMINATION OFFICER
OFFICE OF THE CHIEF INFORMATION OFFICER

SUBJECT: NWS OFFERS EXPERIMENTAL XML WEB SERVICES

NOTE: ALTHOUGH THIS NOTICE FALLS OUTSIDE THE PROVISIONS AND REQUIREMENTS
OF NWS INSTRUCTION 10-1805...IT IS BEING TRANSMITTED AS A COURTESY.

ON JUNE 18 2004 AT 1800 COORDINATED UNIVERSAL TIME /UTC/...THE NATIONAL
WEATHER SERVICE WILL MAKE AVAILABLE THREE EXPERIMENTAL WEB SERVICES THAT
USE EXTENSIBLE MARKUP LANGUAGE /XML/ FORMAT. INCLUDED IS A SERVICE THAT
PROVIDES DATA FROM THE NATIONAL DIGITAL FORECAST DATABASE /NDFD/.

THREE INTERNET XML-BASED WEB SERVICES ARE NOW IN AN EXPERIMENTAL STAGE.
THESE SERVICES ARE DESIGNED TO PROVIDE COMPUTER APPLICATION-TO-COMPUTER
APPLICATION INTEGRATION INTO NWS DATA SETS USING COMMONLY ACCEPTED
INTERNET DATA INTERCHANGE FORMATS.

NDFD-XML OFFERS XML FORMATTED DATA FROM THE NDFD. A SIMPLE OPEN ACCESS
PROTOCOL /SOAP/-BASED WEB SERVICE ALLOWS RETRIEVAL OF NDFD ELEMENTS BY
LATITUDE/LONGITUDE AND SELECTABLE TIME SERIES. TO LEARN MORE ABOUT THIS
EXPERIMENTAL SERVICE...VISIT THE FOLLOWING WEBPAGE /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/FORECASTS/XML](http://www.nws.noaa.gov/forecasts/xml)

WATCHES/WARNINGS/ADVISORIES IN XML PROVIDE LISTINGS OF ACTIVE ALERTS
LISTED BY STATE AND ARE RETRIEVED VIA A FIXED URL. TWO DIFFERENT XML-
BASED DATA FORMATS ARE PROVIDED...ONE FURNISHING HEADLINE INFORMATION AND
THE OTHER COMPLETE PRODUCT INFORMATION. TO LEARN MORE ABOUT THIS
EXPERIMENTAL SERVICE...VISIT THE FOLLOWING WEBPAGE /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/ALERTS/](http://www.nws.noaa.gov/alerts/)

CURRENT OBSERVATIONS IN XML PROVIDE METAR AND OTHER RELATED DATA IN TWO
XML-BASED FORMATS AND ARE RETRIEVED VIA A FIXED URL. TO LEARN MORE ABOUT
THIS EXPERIMENTAL SERVICE...VISIT THE FOLLOWING WEBPAGE /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/DATA/CURRENT OBS](http://www.nws.noaa.gov/data/current_obs)

NWS IS SEEKING PUBLIC COMMENT AND FEEDBACK ON THESE EXPERIMENTAL PRODUCTS.
PRODUCT INFORMATION PAGES LISTED ABOVE INCLUDE LINKS TO CUSTOMER SURVEYS.

IF YOU HAVE ANY QUESTIONS ABOUT THESE SERVICES...PLEASE CONTACT:

ROBERT BUNGE
SILVER SPRING MARYLAND
PHONE: 301-713-1381 EXT. 140
EMAIL: ROBERT.BUNGE@NOAA.GOV

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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