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

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

[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
WEB PAGE:

[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
WEB PAGE:

[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
1325 EAST WEST HIGHWAY
SILVER SPRING MD 20910
PHONE: 301-713-1381 EXT. 140
E-MAIL: ROBERT.BUNGE@NOAA.GOV

THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE AVAILABLE
ONLINE 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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