

NOUS41 KWBC 202145
PNSWSH

PUBLIC INFORMATION STATEMENT...TECHNICAL IMPLEMENTATION NOTICE 01-30
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
445 PM EST TUE NOV 20 2001

TO: FAMILY OF SERVICES /FOS/ SUBSCRIBERS
NOAA WEATHER WIRE SERVICE /NWS/ SUBSCRIBERS
EMERGENCY MANAGERS WEATHER INFORMATION NETWORK /EMWIN/
SUBSCRIBERS
OTHER CUSTOMERS OF NWS AVIATION DATA AND FORECASTS
NWS EMPLOYEES

FROM: FRED TOEPFER
ACTING CHAIR...NWS COMMITTEE ON ANALYSIS AND FORECAST
TECHNIQUES IMPLEMENTATION /CAFTI/

SUBJECT: NEW WEATHER ELEMENTS TO BE ADDED TO THE AVIATION MODEL MOS
GUIDANCE PACKAGE...EFFECTIVE NOVEMBER 27 2001

NOTE: THE FOLLOWING CHANGES HAVE NO IMPACT ON NOAA WEATHER WIRE SERVICE
SUBSCRIBERS.

EFFECTIVE WITH THE 1800 COORDINATED UNIVERSAL TIME /UTC/ CYCLE ON NOVEMBER
27 2001...NEW WEATHER ELEMENT GUIDANCE WILL BE ADDED TO THE 0600/1800 UTC
AVIATION MODEL /AVN/ MODEL OUTPUT STATISTICS /MOS/ GUIDANCE PACKAGES.
THESE PACKAGES...WHICH WERE FIRST IMPLEMENTED IN OCTOBER 2001...WILL
CONTAIN GUIDANCE FOR:

MAXIMUM/MINIMUM TEMPERATURE
2-M TEMPERATURE AND DEW POINT
TOTAL SKY COVER
WIND DIRECTION AND SPEED
PROBABILITY OF PRECIPITATION /POP/
PROBABILITY OF THUNDERSTORMS
CONDITIONAL PROBABILITY OF SEVERE WEATHER
CONDITIONAL PROBABILITY OF PRECIPITATION TYPES /FREEZING RAIN OR SNOW/
PRECIPITATION TYPE
CEILING HEIGHT

THE ALPHANUMERIC TEXT MESSAGES ARE AVAILABLE ON THE ADVANCED WEATHER
INTERACTIVE PROCESSING SYSTEMS /AWIPS/ UNDER THE MAV PRODUCT IDENTIFIER AND
ON THE SATELLITE BROADCAST NETWORK /SBN/ AND THE FAMILY OF SERVICES WITH
THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADERS: FOPA20 KWNO...FOUS21-
26 KWNO...AND FOAK37-39 KWNO. NOTE THAT THESE ARE THE SAME PRODUCT
IDENTIFIERS USED FOR THE 0000/1200 UTC AVN MOS PACKAGES. THE 0600/1800
UTC GUIDANCE IS AVAILABLE FOR THE SAME SITES AND IN THE SAME FORMAT AS THE
CURRENT 0000/1200 UTC PACKAGES. PRODUCTS CONTAINING ALL OF THE AVN MOS
GUIDANCE IN BINARY UNIVERSAL FORM FOR THE REPRESENTATION OF METEOROLOGICAL
DATA /BUFR/ ARE ALSO AVAILABLE. FOR THE WMO HEADERS OF THE BUFR
PRODUCTS...PLEASE SEE /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/TDL/SYNOP/STADRG.HTM](http://www.nws.noaa.gov/TDL/SYNOP/STADRG.HTM)

GUIDANCE FOR PRECIPITATION AMOUNT...VISIBILITY AND OBSTRUCTION TO VISION
WILL BE ADDED TO THE MESSAGES DURING THE SPRING OF 2002.

TECHNICAL PROCEDURES BULLETIN NUMBER 481 DESCRIBES THE 0600/1800 UTC AVN
MOS MESSAGES AND IS AVAILABLE AT THE FOLLOWING WEBSITE /USE LOWER CASE/:

[HTTP://WWW.NWS.NOAA.GOV/OM/TPB/INDDRAFT.HTM](http://www.nws.noaa.gov/om/tpb/inddraft.htm)

THE 0600/1800 UTC PACKAGES ARE ISSUED AT APPROXIMATELY 1030/2230 UTC.
BECAUSE THESE GUIDANCE PACKAGES WILL UPDATE THE 0000/1200 UTC
PACKAGES...USERS MAY WANT TO RETAIN PREVIOUS 0000/1200 UTC PRODUCTS TO
ENSURE A COMPLETE SET OF WEATHER ELEMENT GUIDANCE.

IF YOU HAVE ANY QUESTIONS ABOUT THIS CHANGE...PLEASE CONTACT:

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NATIONAL TECHNICAL IMPLEMENTATION NOTICES ARE ONLINE AT /USE LOWER CASE/:

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

END
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