

NOUS41 KWBC DDHHMM
PNSWSH

CORRECTED TO CHANGE NUMBER FROM TIN07-44 TO TIN 07-34

TECHNICAL IMPLEMENTATION NOTICE 07-34
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
947 AM EDT TUE MAY 8 2007

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

FROM: PAUL HIRSCHBERG
CHIEF... SCIENCE PLANS BRANCH
OFFICE OF SCIENCE AND TECHNOLOGY /OST/

SUBJECT: UPGRADE OF GFS-BASED SKY COVER GUIDANCE:
EFFECTIVE JUNE 5 2007

ATTENTION USERS OF THE MODEL OUTPUT STATISTICS /MOS/
GUIDANCE:

EFFECTIVE JUNE 5 2007...STARTING WITH THE 1200 UNIVERSAL
COORDINATED TIME /UTC/ MODEL CYCLE...THE NWS WILL REPLACE
THE CURRENT GLOBAL FORECAST SYSTEM /GFS/-BASED MOS TOTAL SKY
COVER GUIDANCE WITH NEW OPAQUE SKY COVER GUIDANCE.

THE MOS SKY COVER GUIDANCE PREDICTS AN ESTIMATE OF THE TOTAL
PERCENTAGE OF THE SKY COVERED BY CLOUDS IN TERMS OF THE FIVE
CATEGORIES REPORTED IN THE METAR OBSERVATIONS /CLEAR...
FEW... SCATTERED... BROKEN...OR OVERCAST/. THE CURRENT MOS
TOTAL SKY COVER GUIDANCE DOES NOT DISTINGUISH BETWEEN OPAQUE
AND TRANSLUCENT CLOUD COVER.

THE NEW SKY COVER GUIDANCE PRODUCES AN ESTIMATE OF ONLY
CLOUDS JUDGED TO BE OPAQUE. THE ANTICIPATED EFFECT OF THIS
CHANGE WILL BE TO DECREASE THE NUMBER OF BROKEN OR OVERCAST
FORECASTS AND TO INCREASE THE NUMBER OF CLEAR OR FEW
FORECASTS WHEN ONLY CIRRUS CLOUDS ARE EXPECTED.

THIS CHANGE WILL MAKE THE MOS GUIDANCE CONSISTENT WITH THE
NWS REQUIREMENT FOR OPAQUE SKY COVER INFORMATION. THE
COMMUNICATION IDENTIFIERS FOR THE TEXT AND BUFR PRODUCTS
CONTAINING THIS GUIDANCE ARE SHOWN IN TABLE 1 BELOW. THE
GUIDANCE WILL BE AVAILABLE FOR ROUGHLY 1750 STATIONS EVERY
3 HOURS OUT TO 84 HOURS IN ADVANCE FROM THE 0600 AND 1800
UTC MODEL RUNS AND OUT TO 192 HOURS IN ADVANCE FROM THE 0000
AND 1200 UTC MODEL RUNS.

TABLE 1. COMMUNICATION IDENTIFIERS FOR THE GFS-BASED MOS
PUBLIC WEATHER TEXT AND BUFR PRODUCTS

TEXT WMO HEADINGS AWIPS ID

FOPA20 KWNO	MAVPA0
FOUS21 KWNO	MAVNE1
FOUS22 KWNO	MAVSE1
FOUS23 KWNO	MAVNC1
FOUS24 KWNO	MAVSC1
FOUS25 KWNO	MAVRM1
FOUS26 KWNO	MAVWC0
FOAK37 KWNO	MAVAJK
FOAK38 KWNO	MAVAFC
FOAK39 KWNO	MAVAFG

BUFR WMO HEADINGS BUFR WMO HEADINGS
/SHORT RANGE GFS/ /EXTENDED RANGE GFS/

JSML30 KWNO	JSMT30 KWNO
JSML31 KWNO	JSMT31 KWNO
JSML32 KWNO	JSMT32 KWNO
JSML33 KWNO	JSMT33 KWNO
JSML34 KWNO	JSMT34 KWNO
JSML35 KWNO	JSMT35 KWNO
JSML36 KWNO	JSMT36 KWNO
JSML37 KWNO	JSMT37 KWNO

FOR QUESTIONS ABOUT THESE PRODUCTS OR THE MOS GUIDANCE...
PLEASE CONTACT:

KATHRYN GILBERT
MDL/SILVER SPRING MARYLAND
PHONE: 301-713-0023 EXT. 130
E-MAIL: KATHRYN.GILBERT@NOAA.GOV

LINKS TO THE MOS PRODUCTS...ALONG WITH DESCRIPTIONS...CAN BE
FOUND AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP](http://www.nws.noaa.gov/mdl/synop)

THIS AND OTHER NWS TECHNICAL IMPLEMENTATION NOTICES ARE
AVAILABLE ON THE INTERNET AT THE /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://www.nws.noaa.gov/om/notif.htm)

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