

NOUS41 KWBC 081347 CCA
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-34 CORRECTED
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 NWS CUSTOMERS...PARTNERS AND EMPLOYEES

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

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

CORRECTED TO CHANGE NUMBER OF TECHNICAL IMPLEMENTATION NOTICE /TIN/ FROM
07-44 TO TIN 07-34.

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

EFFECTIVE JUNE 5 2007...STARTING WITH THE 1200 COORDINATED UNIVERSAL 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 BINARY UNIVERSAL FORM FOR THE REPRESENTATION OF METEOROLOGICAL
DATA /BUFR/ PRODUCTS CONTAINING THIS GUIDANCE ARE SHOWN IN TABLE 1 BELOW.
THE GUIDANCE WILL BE AVAILABLE FOR ROUGHLY 1750 STATIONS EVERY THREE 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 BINARY UNIVERSAL FORM FOR THE REPRESENTATION OF METEOROLOGICAL DATA /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 /SHORT RANGE GFS/	BUFR WMO HEADINGS /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
EMAIL: KATHRYN.GILBERT@NOAA.GOV

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

[HTTP://WWW.NWS.NOAA.GOV/MDL/SYNOP](http://WWW.NWS.NOAA.GOV/MDL/SYNOP)

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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