NOUS41 KWBC 021805
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 07-15
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC
105 PM EST FRI MAR 2 2007

TO: NATIONAL WEATHER SERVICE /NWS/ OFFICES
FEDERAL AVIATION ADMINISTRATION /FAA/ CUSTOMERS
FAMILY OF SERVICES /FOS/ SUBSCRIBERS
OTHER CUSTOMERS OF NWS AVIATION FORECASTS

FROM: KEVIN L. JOHNSTON
CHIEF...AVIATION SERVICES BRANCH

SUBJECT: CHANGES TO THE IMPLEMENTATION OF THE CURRENT ICING PRODUCT /CIP/ IN GRIB FORMAT: EFFECTIVE MAY 15 2007

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

EFFECTIVE MAY 15 2007 AT 1300 COORDINATED UNIVERSAL TIME /UTC/...THE NWS AVIATION WEATHER CENTER /AWC/ IN KANSAS CITY MISSOURI WILL MAKE TWO CHANGES TO THE PRODUCT DEFINITION SECTION /PDS/ OF THE GRIDDED BINARY EDITION 1 /GRIB1/ OUTPUT OF THE CIP.

THE TWO CHANGES APPLY TO THE 20 KILOMETER /KM/ HORIZONTAL RESOLUTION CIP ICING SEVERITY /CIP-SEV/ OUTPUT IN GRIB1 FORMAT ORIGINALLY IMPLEMENTED ON DECEMBER 6 2006 /LIST 1/.

THE TWO CHANGES ALSO APPLY TO THE 20 KM CIP TOTAL AND SUPERCOOLED LARGE DROPLETS /SLD/ ICING OUTPUT IN GRIB1 FORMAT ORIGINALLY IMPLEMENTED ON SEPTEMBER 6 2005 /LIST 1/ AND TO THE 40 KM CIP TOTAL AND SLD ICING OUTPUT IN GRIB1 ORIGINALLY IMPLEMENTED MARCH 27 2002 /LIST 2/.

GRIB PDS OCTETS AND TABLES REFERRED IN THE CHANGES BELOW ARE DERIVED FROM THE NATIONAL CENTERS FOR ENVIRONMENTAL PREDICTION /NCEP/ OFFICE NOTE 388. OFFICE NOTE 388 CAN BE ACCESSED ONLINE AT /USE LOWER CASE/:

HTTP://WWW.NCO.NCEP.NOAA.GOV/PMB/DOCS/ON388/

CHANGES TO CIP IN GRIB1 FORMAT:

FOR PDS OCTET 6: VALUE = 8 IN TABLE A WILL CHANGE TO VALUE = 191 IN TABLE A.

FOR PDS OCTET 9: VALUE = 176 IN TABLE 2 WILL CHANGE TO VALUE = 176 IN TABLE 129.

LIST 1: AFFECTED WORLD METEOROLOGICAL ORGANIZATION /WMO/ COMMUNICATION HEADINGS FOR THE 20 KM CIP GRIB1 OUTPUT.

FLIGHT LEVEL	TOTAL ICE	SLD ICE	SEVERITY
010	YIXA93 KKCI	YJXA93 KKCI	YLXA93 KKCI
020	YIXA95 KKCI	YJXA95 KKCI	YLXA95 KKCI
030	YIXA90 KKCI	YJXA90 KKCI	YLXA90 KKCI
040	YIXA84 KKCI	YJXA84 KKCI	YLXA84 KKCI
050	YIXA85 KKCI	YJXA85 KKCI	YLXA85 KKCI
060	YIXA81 KKCI	YJXA81 KKCI	YLXA81 KKCI
070	YIXA78 KKCI	YJXA78 KKCI	YLXA78 KKCI
080	YIXA75 KKCI	YJXA75 KKCI	YLXA75 KKCI
090	YIXA73 KKCI	YJXA73 KKCI	YLXA73 KKCI
100	YIXA70 KKCI	YJXA70 KKCI	YLXA70 KKCI
110	YIXA67 KKCI	YJXA67 KKCI	YLXA67 KKCI
120	YIXA65 KKCI	YJXA65 KKCI	YLXA65 KKCI
130	YIXA62 KKCI	YJXA62 KKCI	YLXA62 KKCI
140	YIXA60 KKCI	YJXA60 KKCI	YLXA60 KKCI
150	YIXA57 KKCI	YJXA57 KKCI	YLXA57 KKCI
160	YIXA55 KKCI	YJXA55 KKCI	YLXA55 KKCI
170	YIXA53 KKCI	YJXA53 KKCI	YLXA53 KKCI
180	YIXA50 KKCI	YJXA50 KKCI	YLXA50 KKCI
190	YIXA48 KKCI	YJXA48 KKCI	YLXA48 KKCI
200	YIXA46 KKCI	YJXA46 KKCI	YLXA46 KKCI
210	YIXA45 KKCI	YJXA45 KKCI	YLXA45 KKCI
220	YIXA43 KKCI	YJXA43 KKCI	YLXA43 KKCI
230	YIXA41 KKCI	YJXA41 KKCI	YLXA41 KKCI
240	YIXA39 KKCI	YJXA39 KKCI	YLXA39 KKCI
250	YIXA38 KKCI	YJXA38 KKCI	YLXA38 KKCI
260	YIXA36 KKCI	YJXA36 KKCI	YLXA36 KKCI
270	YIXA34 KKCI	YJXA34 KKCI	YLXA34 KKCI
280	YIXA33 KKCI	YJXA33 KKCI	YLXA33 KKCI
290	YIXA32 KKCI	YJXA32 KKCI	YLXA32 KKCI
300	YIXA30 KKCI	YJXA30 KKCI	YLXA30 KKCI

LIST 2: AFFECTED WMO COMMUNICATION HEADINGS FOR THE 40 KM CIP GRIB1 OUTPUT.

FLIGHT LEVEL	TOTAL ICE	SLD ICE
010	YAWA93 KKCI	YAXA93 KKCI
020	YAWA95 KKCI	YAXA95 KKCI
030	YAWA90 KKCI	YAXA90 KKCI
040	YAWA84 KKCI	YAXA84 KKCI
050	YAWA85 KKCI	YAXA85 KKCI
060	YAWA81 KKCI	YAXA81 KKCI
070	YAWA78 KKCI	YAXA78 KKCI
080	YAWA75 KKCI	YAXA75 KKCI
090	YAWA73 KKCI	YAXA73 KKCI
100	YAWA70 KKCI	YAXA70 KKCI
110	YAWA67 KKCI	YAXA67 KKCI

120	YAWA65	KKCI	YAXA65	KKCI
130	YAWA62	KKCI	YAXA62	KKCI
140	YAWA60	KKCI	YAXA60	KKCI
150	YAWA57	KKCI	YAXA57	KKCI
160	YAWA55	KKCI	YAXA55	KKCI
170	YAWA53	KKCI	YAXA53	KKCI
180	YAWA50	KKCI	YAXA50	KKCI
190	YAWA48	KKCI	YAXA48	KKCI
200	YAWA46	KKCI	YAXA46	KKCI
210	YAWA45	KKCI	YAXA45	KKCI
220	YAWA43	KKCI	YAXA43	KKCI
230	YAWA41	KKCI	YAXA41	KKCI
240	YAWA39	KKCI	YAXA39	KKCI
250	YAWA38	KKCI	YAXA38	KKCI
260	YAWA36	KKCI	YAXA36	KKCI
270	YAWA34	KKCI	YAXA34	KKCI
280	YAWA33	KKCI	YAXA33	KKCI
290	YAWA32	KKCI	YAXA32	KKCI
300	YAWA30	KKCI	YAXA30	KKCI

THE CIP-SEV PRODUCTS ARE AVAILABLE IN GRIB1 FORMAT ON:

- THE SATELLITE BROADCAST NETWORK /SBN/ NOAAPORT CHANNEL.
- NATIONAL WEATHER SERVICE FILE TRANSFER PROTOCOL /FTP/ SERVERS AT:
/NOTE: SL...DC AND DS MUST BE UPPER CASE LETTERS. OTHERWISE...USE LOWER CASE/:

20KM GRIB1 OUTPUT: FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/DC.AVSPT/DS.CIP20
40KM GRIB1 OUTPUT: FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/DC.AVSPT/DS.CIPGB

- THE FAMILY OF SERVICES /FOS/ HIGH RESOLUTION DATA SERVICE AND SERVER ACCESS SERVICE.

THE 20 KM CIP OUTPUT MAY BE VIEWED AT /USE LOWER CASE/:

HTTP://ADDS.AVIATIONWEATHER.GOV/ICING/ICING_NAV.PHP

IF YOU HAVE ANY QUESTIONS REGARDING THIS PRODUCT...CONTACT:

CLINTON WALLACE
CHIEF...AVIATION SUPPORT BRANCH
AVIATION WEATHER CENTER
KANSAS CITY MISSOURI
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EMAIL: CLINTON.WALLACE@NOAA.GOV

ADDITIONAL INFORMATION ON NWS AVIATION PRODUCT DISSEMINATION IS AVAILABLE AT /USE LOWER CASE/:

HTTP://WEATHER.GOV/OM/DISEMSYS.SHTML

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

HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE

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