

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/
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 06 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 06 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 LETTERS/:

[HTTP://WWW.NCO.NCEP.NOAA.GOV/PMB/DOCS/ON388/](http://www.nco.ncep.noaa.gov/pmb/docs/on388/)

CHANGES TO CIP IN GRIB1 FORMAT:

1. FOR PDS OCTET 6: VALUE=8 IN TABLE A WILL CHANGE TO VALUE=191
IN TABLE A.
2. 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:

1. THE SATELLITE BROADCAST NETWORK /SBN/ NOAAPORT CHANNEL
2. NATIONAL WEATHER SERVICE FTP SERVERS AT:

NOTE: SL...DC AND DS MUST BE UPPER CASE LETTERS. OTHERWISE USE LOWER CASE LETTERS.

20KM GRIB1 OUTPUT:

[FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/DC.AVSPT/DS.CIP20](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](ftp://TGFTP.NWS.NOAA.GOV/SL.US008001/DC.AVSPT/DS.CIPGB)

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

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

[HTTP://ADDS.AVIATIONWEATHER.GOV/ICING/ICING_NAV.PHP](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
7220 NW 101ST TERRACE ROOM 101
KANSAS CITY MO 64153
PHONE: 816-584-7248

E-MAIL: CLINTON.WALLACE@NOAA.GOV

ADDITIONAL INFORMATION ON NWS AVIATION PRODUCT DISSEMINATION IS
AVAILABLE AT /USE LOWER CASES LETTERS/...

[HTTP://WEATHER.GOV/OM/DISEMSYS.SHTML](http://WEATHER.GOV/OM/DISEMSYS.SHTML)

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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