

NOUS41 KWBC 281838  
PNSWSH

TECHNICAL IMPLEMENTATION NOTICE 06-58  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
240 PM EDT MON AUG 28 2006

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: NEW CIP ICING SEVERITY: EFFECTIVE DECEMBER 06 2006

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

EFFECTIVE DECEMBER 06 2006 AT 1300 COORDINATED UNIVERSAL TIME  
/UTC/... THE NWS AVIATION WEATHER CENTER /AWC/ IN KANSAS CITY  
MISSOURI WILL IMPLEMENT THE NEW CIP ICING SEVERITY /CIP-SEV/  
ALGORITHM.

THE CIP-SEV IS AN AUTOMATICALLY GENERATED DIAGNOSTIC INDEX OF  
ICING SEVERITY PRODUCED HOURLY OVER A DOMAIN SPANNING THE  
CONTIGUOUS 48 UNITED STATES AND ADJACENT COASTAL WATERS. THE CIP-  
SEV IS GENERATED AT 1000 FOOT INCREMENTS BETWEEN 1000 AND 30000  
FEET ABOVE MEAN SEA LEVEL. THE CIP-SEV OUTPUT FORMAT IS GRIDDED  
BINARY /GRIB/.

THE CIP-SEV OUTPUT MAY BE VIEWED AT /USE LOWER CASES LETTERS/:

[HTTP://ADDS.AVIATIONWEATHER.GOV/ICING/](http://adds.aviationweather.gov/icing/)

THE NEW WMO COMMUNICATION HEADERS CONTAINING CIP-SEV GRIB  
MESSAGES ARE AS FOLLOWS.

FLIGHT CIP-SEV  
LEVEL WMO HEADER

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010 YLXA93 KKCI  
020 YLXA95 KKCI  
030 YLXA90 KKCI  
040 YLXA84 KKCI  
050 YLXA85 KKCI  
060 YLXA81 KKCI  
070 YLXA78 KKCI  
080 YLXA75 KKCI  
090 YLXA73 KKCI  
100 YLXA70 KKCI  
110 YLXA67 KKCI

120 YLXA65 KKCI  
130 YLXA62 KKCI  
140 YLXA60 KKCI  
150 YLXA57 KKCI  
160 YLXA55 KKCI  
170 YLXA53 KKCI  
180 YLXA50 KKCI  
190 YLXA48 KKCI  
200 YLXA46 KKCI  
210 YLXA45 KKCI  
220 YLXA43 KKCI  
230 YLXA41 KKCI  
240 YLXA39 KKCI  
250 YLXA38 KKCI  
260 YLXA36 KKCI  
270 YLXA34 KKCI  
280 YLXA33 KKCI  
290 YLXA32 KKCI  
300 YLXA30 KKCI

THE CIP-SEV PRODUCTS WILL BE AVAILABLE IN GRIB FORMAT ON:

1. THE SATELLITE BROADCAST NETWORK /SBN/ NOAAPORT CHANNEL
2. NWS FTP SERVERS AT /USE LOWER CASES LETTER EXCEPT SL AND DC MUST BE UPPER CASE/:

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

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

THE CIP-SEV PRODUCT DESCRIPTION DOCUMENT IS AVAILABLE AT /USE LOWER CASES LETTERS/:

[HTTP://PRODUCTS.WEATHER.GOV/](http://PRODUCTS.WEATHER.GOV/)

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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