

NOUS41 KWBC 151930  
PNSWSH

PUBLIC INFORMATION STATEMENT...TECHNICAL IMPLEMENTATION NOTICE 03-50  
NATIONAL WEATHER SERVICE HEADQUARTERS WASHINGTON DC  
230 PM EST MON DEC 15 2003

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

FROM: MARK ANDREWS  
CHIEF...AVIATION SERVICES BRANCH

SUBJECT: FORECAST ICING POTENTIAL PRODUCT TO BE CONVERTED FROM  
EXPERIMENTAL TO OPERATIONAL: EFFECTIVE JANUARY 13 2004

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

EFFECTIVE TUESDAY JANUARY 13 2004 AT 1300 COORDINATED UNIVERSAL TIME  
/UTC/...THE NATIONAL WEATHER SERVICE /NWS/ AVIATION WEATHER CENTER /AWC/  
IN KANSAS CITY MISSOURI WILL CONVERT A NEW GRIDDED AIRCRAFT ICING PRODUCT  
DESIGNATED AS THE FORECAST ICING POTENTIAL /FIP/ FROM EXPERIMENTAL TO  
OPERATIONAL.

THE FIP DOMAIN COVERS THE CONTIGUOUS 48 UNITED STATES /CONUS/ AND ADJACENT  
COASTAL WATERS IN ONE THOUSAND FOOT INCREMENTS BETWEEN ONE THOUSAND AND  
THIRTY THOUSAND FEET ABOVE MEAN SEA LEVEL. THE FIP IS A FORECAST  
EXTENSION OF THE CURRENT ICING POTENTIAL /CIP/ PRODUCT AND PREDICTS THE  
TOTAL ICING POTENTIAL OUT TO 12 HOURS. FORECAST HOURS INCLUDE  
H+01...H+02...H+03...H+06...H+09 AND H+12. THE FIP IS PRODUCED  
AUTOMATICALLY FROM THE 20 KM RAPID UPDATE CYCLE /RUC/ MODEL RUNS.

THE FIP WAS APPROVED FOR LIMITED OPERATIONAL USE BY NWS AND FEDERAL  
AVIATION ADMINISTRATION /FAA/ BY THE AVIATION WEATHER TECHNOLOGY TRANSFER  
/AWTT/ BOARD.

THE WORLD METEOROLOGICAL ORGANIZATION /WMO/ HEADINGS FOR THE FIP ICING  
POTENTIAL ARE AS FOLLOWS:

FLIGHT LEVEL -----	WMO HEADING -----
010	YAW*93 KKCI
020	YAW*95 KKCI
030	YAW*90 KKCI
040	YAW*84 KKCI
050	YAW*85 KKCI
060	YAW*81 KKCI
070	YAW*78 KKCI
080	YAW*75 KKCI
090	YAW*73 KKCI

100        YAW\*70 KKCI  
110        YAW\*67 KKCI  
120        YAW\*65 KKCI  
130        YAW\*62 KKCI  
140        YAW\*60 KKCI  
150        YAW\*57 KKCI  
160        YAW\*55 KKCI  
170        YAW\*53 KKCI  
180        YAW\*50 KKCI  
190        YAW\*48 KKCI  
200        YAW\*46 KKCI  
210        YAW\*45 KKCI  
220        YAW\*43 KKCI  
230        YAW\*41 KKCI  
240        YAW\*39 KKCI  
250        YAW\*38 KKCI  
260        YAW\*36 KKCI  
270        YAW\*34 KKCI  
280        YAW\*33 KKCI  
290        YAW\*32 KKCI  
300        YAW\*30 KKCI

WHERE:

\* = B = 01-HOUR FORECAST  
\* = C = 02-HOUR FORECAST  
\* = D = 03-HOUR FORECAST  
\* = G = 06-HOUR FORECAST  
\* = J = 09-HOUR FORECAST  
\* = M = 12-HOUR FORECAST

ON JANUARY 13 2004...FIP TOTAL ICING POTENTIAL OUTPUT IN GRIDDED BINARY /GRIB/ FORMAT WILL BE AVAILABLE THROUGH:

- THE ADVANCED WEATHER INTERACTIVE PROCESSING SYSTEM /AWIPS//NOAAPORT SATELLITE BROADCAST NETWORK /SBN/.

- NATIONAL WEATHER SERVICE FILE TRANSFER PROTOCOL /FTP/ SERVERS AT /USE LOWER CASE EXCEPT FOR SL...DC AND DS/:

<FTP://TGFTP.NWS.NOAA.GOV/SL.US008001/DC.AVSPT/DS.FIPGB>

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

IF YOU ARE INTERESTED IN OBTAINING SAMPLE GRIDDED FIP DATA...IT WILL BE MADE AVAILABLE UPON REQUEST BY CONTACTING:

MR. MARC SINGER  
METEOROLOGIST - AVIATION WEATHER CENTER  
KANSAS CITY MISSOURI  
PHONE: 816-584-7241  
EMAIL: [MARC.SINGER@NOAA.GOV](mailto:MARC.SINGER@NOAA.GOV)

IF YOU HAVE ANY QUESTIONS REGARDING THE NEW FIP PRODUCT...CONTACT:

MR. JACK MAY  
DIRECTOR - AVIATION WEATHER CENTER  
KANSAS CITY MISSOURI  
PHONE: 816-584-7201  
EMAIL: [JACK.MAY@NOAA.GOV](mailto:JACK.MAY@NOAA.GOV)

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

[HTTPS://WWW.WEATHER.GOV/NOTIFICATION/ARCHIVE](https://www.weather.gov/notification/archive)

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