

NOUS41 KWBC DDHHMM
PNSWSH

Technical Information Notice 10-51
National Weather Service Headquarters Washington DC
745 AM EDT Mon Oct 18 2010

To: Subscribers:
 -Family of Services
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPort
 Other NWS partners and employees

From: Cynthia Abelman
 Chief, Aviation Services Branch

Subject: Forecast Icing Severity Product Becomes
 Operational: Effective January 18, 2011

The following changes have no impact on NOAA Weather Wire
Service Subscribers.

Effective Tuesday, January 18, 2011 at 1300 Coordinated
Universal Time (UTC), the NWS Aviation Weather Center will
begin operationally issuing the gridded Forecast Icing
Severity (FIS) product.

The FIS is produced automatically from the 20 KM Rapid
Update Cycle (RUC) model runs. It is a forecast extension
of the Current Icing Severity (CIP) product. FIS predicts
aircraft icing severity out to 12 hours. Forecast hours
include H+01, H+02, H+03, H+06, H+09, and H+12. The FIS
domain covers the contiguous United States and adjacent
coastal waters in 1000 foot increments between 1000 feet
and 30,000 feet above mean sea level.

The WMO headers for the Forecast Icing Severity are as
follows:

FLIGHT LEVEL	WMO HEADING
010	YLX*93 KKCI
020	YLX*95 KKCI
030	YLX*90 KKCI
040	YLX*84 KKCI
050	YLX*85 KKCI
060	YLX*81 KKCI
070	YLX*78 KKCI
080	YLX*75 KKCI
090	YLX*73 KKCI
100	YLX*70 KKCI

110 YLX*67 KKCI
120 YLX*65 KKCI
130 YLX*62 KKCI
140 YLX*60 KKCI
150 YLX*57 KKCI
160 YLX*55 KKCI
170 YLX*53 KKCI
180 YLX*50 KKCI
190 YLX*48 KKCI
200 YLX*46 KKCI
210 YLX*45 KKCI
220 YLX*43 KKCI
230 YLX*41 KKCI
240 YLX*39 KKCI
250 YLX*38 KKCI
260 YLX*36 KKCI
270 YLX*34 KKCI
280 YLX*33 KKCI
290 YLX*32 KKCI
300 YLX*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 18, 2011, the Forecast Icing Severity output in gridded binary (GRIB) format will be available through NWS FTP Servers at:

<ftp://tgftp.nws.noaa.gov/SL.us008001/DC.avsp/DS.fipgb>

On January 18, 2011, graphical webpage representation of the FIS data will be available in Graphical Interchange Format (GIF) at:

<http://aviationweather.gov/adds/icing/>

For technical questions, and support accessing the FIS data, contact:

Robert Sallee
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7220 NW 101ST Terrace
Kansas City, MO 64153
816-584-7256
robert.sallee@noaa.gov

If you have any questions about this change, please contact:

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National Technical Implementation Notices are online at:

<http://www.nws.noaa.gov/om/notif.htm>

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