

NOUS41 KWBC 061848 CCA
PNSWSH

Technical Implementation Notice 10-51 Corrected
National Weather Service Headquarters Washington DC
148 PM EST Mon Dec 6 2010

To: National Weather Service (NWS) Offices
Federal Aviation Administration (FAA) Customers
Family of Services (FOS) Subscribers
Other Customers of NWS Aviation Forecasts

From: Cynthia Abelman
Chief, Aviation Services Branch

Subject: Corrected: Forecast Icing Severity Product to be Converted from
Experimental to Operational: Effective January 18, 2011

Corrected to change date in subject line to 2011.

Note: 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 (AWC) in Kansas City, MO, will convert the gridded Forecast Icing Severity (FIS) product from experimental to operational status. The FIS provides forecasts for the potential occurrence of aircraft icing. In addition, the FIP Potential Icing Forecast Product has changed to a Probability Icing Forecast Product. See the link below for details on gridded binary (GRIB) file changes:

http://aviationweather.gov/notice/fip_severity.php

The FIS domain covers the contiguous 48 United States and adjacent coastal waters in 1,000-foot increments between 1,000 and 30,000 feet above Mean Sea Level (MSL). The FIS is a forecast extension of the current icing severity (CIP) product and predicts the icing severity 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 World Meteorological Organization (WMO) Headings for the FIP Icing Severity are as follows.

Flight Level	WMO Heading
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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, FIP Icing Severity Output in GRIB format will be available through:

- NWS Service File Transfer Protocol (ftp) servers:
<ftp://tgftp.nws.noaa.gov/SL.us008001/DC.avspt/DS.fipgb>

- The Family of Services (FOS) high resolution data service and server access service.

To obtain sample gridded FIP data, contact:

Mr. Robert Sallee
Senior Software Engineer
Aviation Weather Center
Kansas City, MO
816-584-7256
robert.sallee@noaa.gov

If you have questions about this product, contact:

Mr. Pat Murphy
Warning Coordination Meteorologist
Aviation Weather Center
Kansas City, MO
816-584-7239
michael.pat.murphy@noaa.gov

National Technical Implementation Notices are online at:

<https://www.weather.gov/notification/archive>

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