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PNSWSH

Technical Implementation Notice 10-51 Amended
National Weather Service Headquarters Washington DC
1101 AM EST Mon Dec 6 2010

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

From: Cynthia Abelman
Chief, Aviation Services Branch

Subject: Amended: Forecast Icing Severity Product To Be
Converted From Experimental To Operational:
Effective January 18 2010

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

This amends a previous TIN 10-51 to note the FIP Potential Icing
Forecast Product has changed to a probability icing forecast
product

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)
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 GRIB file changes.

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

The FIS domain covers the contiguous 48 United States and
adjacent coastal waters in 1000 foot increments between 1000 and
30,000 feet above Mean Sea Level. 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 WMO Headings for the FIP Icing Severity are as follows.

Flight	WMO
Level	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 gridded binary (GRIB) format will be available through:

1. NWS Service ftp Servers:

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

2. 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
7220 NW 101st Terrace
Room 101
Kansas City Mo 64153

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 64153
816-584-7239
Michael.Pat.Murphy@noaa.gov

National Technical Implementation Notices are online at:

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

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