

NOUS41 KWBC DDHHMM
PNSWSH

Service Change Notice 18-111
National Weather Service Headquarters Washington DC
340 PM EST Fri Dec 7 2018

To: Subscribers:
 -NOAA Weather Wire Service
 -Emergency Managers Weather Information Network
 -NOAAPORT
 Other NWS partners and NWS employees

From: Dave Myrick
 NWS Office of Science and Technology Integration

Subject: Upgrade In-Flight Icing Forecast Icing Product
 Effective January 8, 2019

Effective on or about Tuesday, January 8th, 2019, beginning with the 1200 Coordinated Universal Time (UTC) cycle, the National Centers for Environmental Prediction (NCEP) will begin operationally producing In-Flight Icing (IFI) Forecast Icing Products. The IFI products will replace the Forecast Icing Product (FIP) suite currently produced at the Aviation Weather Center.

The IFI is produced hourly from the 13-km Weather Research and Forecasting Rapid Refresh (RAP) model runs. Output includes a 1, 2, 3, 6, 9, 12, 15 and 18-hour forecast for In-flight Icing Probability (ICPRB), Icing Severity (ICSEV), and Supercooled Large Droplet Potential (SLD).

This data is provided over the SBN and NOAAPORT.

The WMO heading for the ICPRB products are as follows:

T1: DATA FORMAT OF GRIB2 /Y/
T2: PARAMETER CODE OF /A/
A1: GRID CODE /W/
A2: FORECAST TIME /ONE OF BCDGJMPS/
 *B = 01 HOUR FORECAST
 *C = 02 HOUR FORECAST
 *D = 03 HOUR FORECAST
 *G = 06 HOUR FORECAST
 *J = 09 HOUR FORECAST
 *M = 12 HOUR FORECAST
 *P = 15 HOUR FORECAST
 *S = 18 HOUR FORECAST
II: LAYER OR LEVEL /ONE OF 30 32-34 36 38 39 41 43 45 46 48
50 53 55 57 60 62 65 67 70 73 75 78 81 84 85 90 93 95/
CCCC: KKCI

The WMO heading for the ICSEV products are as follows:

T1: DATA FORMAT OF GRIB2 /Y/

T2: PARAMETER CODE OF /L/
A1: GRID CODE /X/
A2: FORECAST TIME /ONE OF BCDGJMPS/
 *B = 01 HOUR FORECAST
 *C = 02 HOUR FORECAST
 *D = 03 HOUR FORECAST
 *G = 06 HOUR FORECAST
 *J = 09 HOUR FORECAST
 *M = 12 HOUR FORECAST
 *P = 15 HOUR FORECAST
 *S = 18 HOUR FORECAST
II: LAYER OR LEVEL /ONE OF 30 32-34 36 38 39 41 43 45 46 48
50 53 55 57 60 62 65 67 70 73 75 78 81 84 85 90 93 95/
CCCC: KKCI

The WMO heading for the SLD products are as follows:

T1: DATA FORMAT OF GRIB2 /Y/
T2: PARAMETER CODE OF /A/
A1: GRID CODE /X/
A2: FORECAST TIME /ONE OF BCDGJMPS/
 *B = 01 HOUR FORECAST
 *C = 02 HOUR FORECAST
 *D = 03 HOUR FORECAST
 *G = 06 HOUR FORECAST
 *J = 09 HOUR FORECAST
 *M = 12 HOUR FORECAST
 *P = 15 HOUR FORECAST
 *S = 18 HOUR FORECAST
II: LAYER OR LEVEL /ONE OF 30 32-34 36 38 39 41 43 45 46 48
50 53 55 57 60 62 65 67 70 73 75 78 81 84 85 90 93 95/
CCCC: KKCI

Data will be available in GRIB2 on the NWS Gateway service via:
ftp://tgftp.nws.noaa.gov/SL.us008001/DC.avspt/DS.fipgb/PT.grid_DF.gr1
https://tgftp.nws.noaa.gov/SL.us008001/DC.avspt/DS.fipgb/PT.grid_DF.gr1

A preview version of the data is available on para NOMADS:
<https://para.nomads.ncep.noaa.gov/pub/data/nccf/noaaport/>

Changes will also be applied to the Aviation Digital Data
Service (ADDS) to continue the product availability:
<https://www.aviationweather.gov/icing/>

If you have any questions regarding the new In-Flight Icing
product please contact either:

Dr. Brian Pettegrew
Research Meteorologist
Aviation Weather Center
816-584-7256
brian.p.pettegrew@noaa.gov
or
Dr. Joshua Scheck
Aviation Support Branch Chief

Aviation Weather Center
816-584-7204
joshua.scheck@noaa.gov

If you have questions regarding the data flow aspects, contact:

NCEP/NCO Dataflow Team
College Park, MD
301-683-0567
ncep.list.pmb-dataflow@noaa.gov

NWS Service Change Notices are online at:

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

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