

NOUS41 KWBC 061850 AAA
PNSWSH

Service Change Notice 20-97 Updated
National Weather Service Headquarters Silver Spring MD
150 PM EST Fri Nov 6 2020

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

From: Brian Gross, Acting Director
 National Centers for Environmental Prediction

Subject: Updated: Upgrade Current Icing Product Effective
December 8, 2020

Updated to reflect new implementation date.

Effective December 8, 2020, beginning with the 1200 Coordinated Universal Time (UTC) run, the National Centers for Environmental Prediction (NCEP) will begin operationally running the Aviation Weather Center's Current Icing Product (CIP) suite.

The CIP is produced hourly from the 13-km Weather Research and Forecasting Rapid Refresh (RAP) model runs. Output includes an Analysis for In-flight Icing Probability (ICPRB), Severity (ICSEV), and Supercooled Large Droplet Potential (SLD). It also uses a combination of METARs, PIREPs, lightning, MRMS Low-level composite reflectivity, and Visible and IR Satellite data from the GOES-16 Advanced Baseline Imager in combination with a near-term model background field.

Timing changes

Data will continue to be provided over the SBN and NOAAPort and will arrive no more than 5 minutes later than current production. The daily volume will remain ~55 MB per day.

Changes to World Meteorological Organization (WMO) headers

WMO headers will remain the same except for a change in processing center from KNCI to KWBC.

In-flight Icing Probability (ICPRB) WMO headers will change from:

YIXA## KKCI

to:

YLXA## KWBC

Where ## is one of the following: 14-27 29 30 32-34 36 38
39 41 43 45 46 48 50 53 55 57 60 62 65 67 70 73 75 78 81 85 84
90 93 95

Icing Severity (ICSEV) WMO headers will change from:

YLXA## KKCI

to:

YLXA## KWBC

Where ## is one of the following: 14-27 29 30 32-34 36 38
39 41 43 45 46 48 50 53 55 57 60 62 65 67 70 73 75 78 81 85 84
90 93 95

Supercooled Large Droplet Potential (SLD) WMO headers will change from:

YJXA## KKCI

to:

YJXA## KWBC

Where ## is one of the following: 14-27 29 30 32-34 36 38
39 41 43 45 46 48 50 53 55 57 60 62 65 67 70 73 75 78 81 85 84
90 93 95

C) Changes to location on NWS web services

Data that is currently available through the NWS Gateway service at

ftp://tgftp.nws.noaa.gov/SL.us008001/DC.avspt/DS.cip20/PT.grid_DF.gr1

will move to

ftp://tgftp.nws.noaa.gov/SL.us008001/DC.avspt/DS.cip20/PT.grid_DF.gr2

Parallel GRIB2 data is available at

<https://para.nomads.ncep.noaa.gov/pub/data/nccf/noaaport/cip>

until NCEP production implementation on November 23, 2020.

Changes will also be applied to the Aviation Digital Data Service (ADDS) to continue the product availability:

<https://www.aviationweather.gov/>

NCEP encourages users to ensure their decoders are flexible and are able to adequately handle changes in content order, changes in the scaling factor component within the product definition

section (PDS) of the GRIB files, and any volume changes which may be forthcoming. These elements may change with future NCEP model implementations. NCEP will make every attempt to alert users to these changes prior to any implementations.

Any questions, comments or requests regarding this implementation should be directed to the contacts below. We will review any feedback and decide whether to proceed.

If you have any questions regarding the new Forecast 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
816-584-7237
joshua.scheck@noaa.gov

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

Anne Myckow
NCEP Central Operations Dataflow Team
ncep.pmb.dataflow@noaa.gov

NWS National Service Change Notices are online at:

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

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